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Parts I and II
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AFSC 2A5X3B

INSTRUMENT AND FLIGHT CONTROL SYSTEMS



CAREER FIELD EDUCATION AND TRAINING PLAN

**CAREER FIELD EDUCATION AND TRAINING PLAN
INSTRUMENT AND FLIGHT CONTROL SYSTEMS
AFSC 2A5X3B**

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INSTRUMENT AND FLIGHT CONTROLS SYSTEMS
AFSC 2A5X3B
CAREER FIELD EDUCATION AND TRAINING PLAN

PART I

PREFACE

1. This Career Field Education and Training Plan (CFETP) is a comprehensive education and training document that identifies life-cycle education/training requirements, training support resources, and minimum core task requirements for this specialty. The CFETP will provide personnel a clear career path to success and instill rigor in all aspects of career field training. To read, review, or print a copy of current CFETP, go to the Aircraft Maintenance Homepage at <http://www.il.hq.af.mil/ilmm/acmait/index.html>. **NOTE:** Civilians occupying associated positions will use Part II to support duty position qualification training.
2. The CFETP consists of two parts; supervisors will use both parts of the CFETP to plan, manage, and control training within the career field.

2.1. Part I provides information necessary for overall management of the specialty. Section A explains how everyone will use the plan. Section B identifies career field progression information, duties and responsibilities, training strategies, and career field path. Section C associates each level with specialty qualifications (knowledge, education, training, and other information). Section D indicates resource constraints. Some examples are funds, manpower, equipment, and facilities. Section E identifies transition training guide requirements to support career field restructures.

2.2. Part II includes the following: Section A identifies the Specialty Training Standard (STS) and includes duties, tasks, and technical references to support training; Air Education and Training Command (AETC) conducted training; wartime course requirements; core tasks; and correspondence course requirements. Section B contains the course objective list and training standards supervisors use to determine if airmen satisfied training requirements. Section C identifies available support materials. An example is a Qualification Training Package (QTP) developed to support proficiency training. These QTP packages are identified in AFIND8, *Numerical Index of Specialized Educational Training Publications*. Section D identifies a training course index supervisors use to determine resources available to support training; included here are both mandatory and optional courses. Section E identifies MAJCOM unique training requirements supervisors use to determine additional training requirements unique to the MAJCOM.
3. Using guidance provided in the CFETP will ensure individuals in this specialty receive effective and efficient training at the appropriate point in their career. This plan will enable us to train today's work force for tomorrow's jobs. At unit level, supervisors and trainers will use Part II to identify, plan, and conduct training commensurate with the overall goals of this plan.

ABBREVIATIONS/TERMS EXPLAINED

Advanced Training (AT). Formal course which provides individuals who are qualified in one or more positions of their Air Force Specialty (AFS) with additional skills/knowledge to enhance their expertise in the career field. Training is for selected career airmen at the advanced level of the AFS.

Air Force Job Qualification Standard (AFJQS). A comprehensive task list which describes a particular job type or duty position. They are used by supervisors to document task qualifications. The tasks on AFJQS are common to all persons serving in the described duty position.

Career Field Education and Training Plan (CFETP). A CFETP is a comprehensive, multipurpose document covering the entire spectrum of education and training for a career field. It outlines a logical growth plan that includes training resources and is designed to make career field training identifiable, to eliminate duplication, and to ensure this training is budget defensible.

Certification. A formal indication of an individual's ability to perform a task to required standards.

Certification Official. A person the commander assigns to determine an individual's ability to perform a task to required standards.

Continuation Training. Additional training exceeding requirements with emphasis on present or future duty assignments.

Core Task. A task Air Force Career Field Managers (AFCFMs) identify as a minimum qualification requirement within an Air Force Specialty regardless of duty position. Core tasks identified with an */R are optional for AFRC and ANG.

Course Objective List (COL). A publication identifying the tasks and knowledge requirements, and respective standards provided to achieve a 3-, 5-, and 7-skill level in this career field. Supervisors use the COL to assist in conducting graduate evaluations in accordance with AFI 36-2201, *Developing, Managing and Conducting Military Training Programs*.

Enlisted Specialty Training (EST). A mix of formal training (technical school) and informal training (on-the-job) to qualify and upgrade airmen in each skill level of a specialty.

Exportable Training. Additional training via computer assisted, paper text, interactive video, or other necessary means to supplement training.

Field Technical Training (Type 4). Special or regular on-site training conducted by a training detachment (TD) or by a mobile training team (MTT).

Initial Skills Training. A formal resident course which results in award of a 3-skill level AFSC.

Instructional System Development (ISD). A deliberate and orderly process for developing, validating, and reviewing instructional programs that ensures personnel are taught the knowledge and skills essential for successful job performance.

Mission Ready Technician (MRT). A formal course which results in an airman receiving hands-on training and task certification of selected tasks so the individual will be immediately productive upon arrival at their first duty section.

Occupational Survey Report (OSR). A detailed report showing the results of an occupational survey of tasks performed within a particular AFS.

On-the-Job Training (OJT). Hands-on, over-the-shoulder training at the duty location used to certify personnel for both skill level upgrade and duty position qualification.

Qualification Training (QT). Proficiency Training. Additional training, either in-residence, exportable training courses, or OJT, provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade.

Qualification Training Package (QTP). An instructional package designed for use at the unit to qualify, or aid qualification, in a duty position or program, or on a piece of equipment. It may be printed, computer-based, or in other audiovisual media.

Resource Constraints. Resource deficiencies, such as money, facilities, time, manpower, and equipment that preclude desired training from being accomplished.

Specialized Training Package and COMSEC Qualification Training Package. A composite of lesson plans, test material, instructions, policy, doctrine, and procedures necessary to conduct training. These packages are prepared by AETC, approved by National Security Agency (NSA), and administered by qualified communications security (COMSEC) maintenance personnel.

Specialty Training Standard (STS). An Air Force publication that describes an Air Force Specialty in terms of tasks and knowledge an airman may be expected to perform or to know on the job. It serves as a contract between the Air Education and Training Command and the functional user to show which of the overall training requirements for an Air Force Specialty Code are taught in formal schools, career development courses, and exportable courses.

Training Impact Decision System (TIDES). A computer-based decision support technology being designed to assist AFCFMs in making critical judgments relevant to what training should be provided personnel within career fields, when training should be provided (at what career points), and where training should be conducted (training setting).

Upgrade Training (UGT). A mixture of mandatory courses, task qualification, QTPs, and CDCs required for award of the 3-, 5-, 7-, or 9-skill levels.

Utilization and Training Workshop (U&TW). A forum of MAJCOM Air Force Specialty Code (AFSC) Functional Managers, Subject Matter Experts (SMEs), and AETC training personnel that determines career ladder training requirements.

SECTION A - GENERAL INFORMATION

1. Purpose: This CFETP provides the information necessary for Air Force Career Field Manager (AFCFM), MAJCOM Functional Managers (MFM), commanders, training managers, supervisors, and trainers to plan, develop, manage, and conduct an effective career field training program. This plan outlines the training that individuals in AFSC 2A5X3B should receive to develop and progress throughout their career. This CFETP identifies initial skills, upgrade, qualification, advanced, and proficiency training. Initial skills training is the AFS specific training an individual receives upon entry into the Air Force or upon retraining into this specialty for award of the 3-skill level. This training is conducted by AETC at Sheppard AFB TX. Upgrade training identifies the mandatory courses, task qualification requirements, and correspondence course requirements for award of the 3-, 5-, 7-, or 9-skill levels. Qualification training is actual hands-on task performance training designed to qualify an airman in a specific duty position. This training program occurs both during and after upgrade training. It is designed to provide the performance skills/knowledge to do the job. Advanced training is formal specialty training used for selected airmen. Proficiency training is additional training, either in-residence or exportable training courses, or on-the-job training, provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade. The CFETP has several purposes; some are:

- 1.1.** Serves as a management tool to plan, manage, conduct, and evaluate a career field's training program. Also, it is used to help supervisors identify training at the appropriate point in an individual's career.
- 1.2.** Identifies tasks and knowledge training requirements for each skill level in the specialty and recommends education/training throughout each phase of an individual's career.
- 1.3.** Lists training courses available in the specialty and identifies sources of training, and the training delivery method.
- 1.4.** Identifies major resource constraints, which impact full implementation of the desired career field training process.

2. Uses: This plan will be used by MFM and supervisors at all levels to ensure comprehensive and cohesive training programs are available for each individual in the specialty.

2.1. AETC training personnel will develop/revise formal resident, non-resident, Training Detachment (TD), and exportable training based upon requirements established by the users and documented in Part II of the CFETP. They will also work with the AFCFM to develop acquisition strategies for obtaining resources needed to provide identified training.

2.2. MFM will ensure their training programs complement the CFETP mandatory initial, upgrade, and proficiency requirements. Identified requirements can be satisfied by OJT, resident training, contract training, or exportable courses. MAJCOM developed mandatory training, to support this AFSC, must be identified for inclusion in this plan and must not duplicate other available training resources.

2.3. Each individual will complete the mandatory training requirements specified in this plan. The list of courses in Part II will be used as a reference to support training.

3. Coordination and Approval: The AFCFM is the approving authority. The using MAJCOM representatives and AETC training personnel will identify and coordinate on the career field training requirements. The AETC training manager for AFSC 2A5X3B will initiate an annual review of this document by AETC and MAJCOM AFSC functional managers to ensure currency and accuracy. Using the list of courses in Part II, they will eliminate duplicate training.

SECTION B - CAREER FIELD PROGRESSION AND INFORMATION

4. Specialty Descriptions:

4.1. Specialty Summary (Apprentice-Craftsman): Analyzes malfunctions, inspects, removes, maintains, and installs instrument and flight control systems. Performs and supervises avionics maintenance and general aircraft servicing and handling. Related DoD Occupational Subgroup: 198.

4.1.1. Duties and Responsibilities.

4.1.1.1. Instrument and Flight Control Systems Apprentice and Journeyman

(2A533B/53B). Performs organizational and limited intermediate maintenance to support instrument and flight control systems such as primary and secondary flight controls, automatic flight controls, engine instrumentation, fuel management systems, and central air data systems. Operates equipment to determine condition. Identifies, isolates and repairs malfunctions utilizing hand tools, Support Equipment (SE), Built-In-Test (BIT)/Ground Readiness Test (GRT) functions, and Test, Measurement, and Diagnostic Equipment (TMDE). Traces logic, signal flow, schematic, and wiring diagrams. Inspects, repairs, aligns, calibrates, and functionally checks aircraft Line Replaceable Units (LRUs) and limited Shop Replaceable Units (SRUs). Maintains, inspects, performs preventative maintenance, and repairs support equipment (SE.) Repairs, fabricates, and installs wiring harnesses, interconnecting cables, chassis harness assemblies, antenna/transmission lines, and multi-connector cables. Removes, installs, modifies, aligns, programs, and operates offensive avionic systems, and records information on equipment maintenance data collection forms. Enters data into automated systems. Recommends methods to improve equipment performance and maintenance procedures. Handles, labels, and disposes of hazardous materials and waste according to environmental standards.

4.1.1.2. Instrument and Flight Control Systems Craftsman (2A573B). Supervises, performs maintenance, and conducts/certifies training in the maintenance of instrument and flight control systems. Analyzes and interprets layout drawings, schematics and on-board/ground-based computerized fault detection systems to diagnose difficult maintenance problems. Identifies maintenance problem areas from maintenance data collection systems and recommends corrective actions. Interprets inspection findings for appropriate corrective action. Evaluates proposed modifications. Interprets maintenance operating instructions and procedures for the instrument and flight control systems.

4.2. Specialty Summary Aerospace Maintenance Superintendent (2A590). Plans, organizes, and directs maintenance activities. Establishes production controls and work standards.

4.2.1. Duties and Responsibilities:

4.2.1.1. Analyzes reports on maintaining, installing, removing, and repairing aircraft systems to improve work methods and repair techniques. Plans physical layout of facilities. Provides for spare parts, test equipment, and other resources necessary for aircraft maintenance.

4.2.1.2. Coordinates with supply, operations, and other maintenance activities to improve procedures and resolve problems. Directs and controls the inspection, adjustment, removal, replacement, and calibration of internal and external mounted aircraft equipment.

4.2.1.3. Directs repair of aircraft systems. Establishes and checks inspection procedures. Determines extent and economy of repairs required. Inspects activities to solve maintenance, supply and personnel problems. Analyzes inspection findings and recommended corrective actions.

4.2.1.4. Solves problems and interprets operational and technical directives to ensure quality maintenance to accomplish mission requirements. Determines funding requirements and develops budgets. Advises and briefs commanders and senior staff members on all maintenance related activities. Ensures hazardous materials and waste are handled, stored, and disposed of according to environmental standards.

5. Skill and Career Progression: Adequate training and timely progression from the apprentice to the superintendent skill level play an important role in the Air Force's ability to accomplish its mission. It is essential for everyone involved in training to do his or her part to plan, develop, manage, and conduct an effective training program. The guidance provided in this part of the CFETP will ensure each individual receives proper training at appropriate points in their career. The following narrative and the AFSC 2A5X3B Enlisted Career Training Flowcharts identify the career skill progression.

5.1. Apprentice (3-level). Upon completion of initial skills training, a trainee will work with a trainer to enhance their knowledge and skills. They will utilize the Career Development Course, Task Qualification Training, and available exportable courses for continued advancement. Once task certified, a trainee may perform the task unsupervised. Apprentices can be considered for appointment as unit trainers after completion of a formal trainer course.

5.2. Journeyman (5-level). Once upgraded to the 5-level, a journeyman will enter into continuation training to broaden their experience base. Journeymen may be assigned job positions such as squadron support, software analysis, quality assurance, and various staff positions. Journeymen should complete available Training Detachment (TD) Courses and MAJCOM specific training. Individuals will attend the Airman Leadership School (ALS) after having 48 months in the Air Force. Journeymen will be considered for appointment as unit trainers after completion of a formal trainer course. They should attend the available instrument and flight control systems advanced technical training courses for the assigned Mission Design Series (MDS). Individuals will use their CDCs to prepare for promotion testing. They should also consider continuing their education toward a Community College of the Air Force (CCAF) degree. Timelines and requirements may vary for ANG and AFRC.

5.3. Craftsman (7-level). A craftsman can expect to fill various supervisory and management positions such as shift leader, element chief, flight/section chief, and task certifier. They can also be assigned to work in staff positions. Craftsmen should take courses to obtain added knowledge in other avionic systems and in resource/personnel management. Continued academic education through CCAF and higher degree programs is highly encouraged. In addition, when promoted to TSgt, individuals will complete the Noncommissioned Officer Academy. MSgts are eligible to enroll in the Senior NCO Correspondence Course.

5.4. Superintendent (9-level). A 9-level can be expected to fill positions such as flight NCOIC, production supervisor, and various staff NCOIC jobs. Additional training in the areas of budget, manpower, resources, and personnel management should be pursued through continuing

education. Individuals promoted to SMSgt will complete the Senior Noncommissioned Officer Academy. Additional higher education and completion of courses outside their career AFSC are also recommended.

6. Training Decisions: The CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the instrument and flight control systems Career Field. The spectrum includes a strategy for when, where, and how to meet these training requirements. The strategy must ensure we develop affordable training, eliminate duplication, and prevent a fragmented approach to training. The following training decisions were made by MAJCOM Functional Managers and Subject Matter Experts (SMEs) at the career field Utilization and Training Workshop held at Sheppard AFB TX, 17-21 May 1999.

6.1. Initial Skills:

6.1.1. The MAJCOM representatives decided that assembling solderless connectors, digital multimeter, serial bus analyzer, bonding meters and wire maintenance were to be added to the Electronics Principles Course. To complete their Initial Skills Training, personnel will first satisfactorily complete a mandatory resident course.

6.2. Five-Level Upgrade Training. Students will be required to complete the CDC 2A553B, Instrument and Flight Control Systems Journeyman. The Specialty Training Standard (STS) was re-accomplished to provide additional training and to identify Air Force directed core tasks for upgrade to the 5-level and the 7-level.

6.3. Seven-Level Upgrade Training. Completion of the 7-level management CDCs will be mandatory. Logistics Maintenance Management and maintenance accountability will be taught to a "C" level in the formal 7-level course. Scenarios, aircraft generation, and knowledge of training procedures were also added to the formal course.

6.4. Continuation Training. The purpose of the continuation-training program is to provide additional training exceeding minimum upgrade training requirements with emphasis on present and future duty positions. MAJCOMs develop a continuation training program that ensures individuals in the instrument and flight control systems career field receive the necessary training at the appropriate point in their career. The training program will identify both mandatory and optional training requirements.

7. Community College of the Air Force (CCAF) Academic Programs: Enrollment in CCAF occurs upon completion of basic military training. CCAF provides the opportunity to obtain an Associate in Applied Sciences Degree. In addition, CCAF offers the following:

7.1. Occupational Instructor Certification. Upon completion of instructor qualification training, consisting of the Basic Instructor Course (BIC) and supervised practice teaching, CCAF instructors who possess an associates degree or higher may be nominated by their school commander/commandant for certification as an occupational instructor.

7.2 Trade Skill Certification. When a CCAF student separates or retires, a trade skill certification is awarded for the primary occupational specialty. The college uses a competency based assessment process for trade skill certification at one of four proficiency levels: Apprentice, Journeyman, Craftsman/Supervisor, or Master Craftsman/Manager. All are transcribed on the CCAF transcript.

7.3. Degree Requirements. All airmen are automatically entered into the CCAF program. Prior to completing an Associates Degree, the 5-level must be awarded and the following requirements must be met:

	Semester Hours
Technical Education	24
Leadership, Management, and Military Studies.....	6
Physical Education	4
General Education	15
Program Elective	15
Technical Education; Leadership, Management, and Military Studies; or General Education	
Total	64

7.3.1. Technical Education (24 Semester Hours). A minimum of 12 semester hours of Technical Core subjects/courses must be applied and the remaining semester hours applied from Technical Core/Technical Elective subjects/courses.

7.3.2. Leadership, Management, and Military Studies (6 Semester Hours). Professional military education and/or civilian management courses.

7.3.3. Physical Education (4 Semester Hours). This requirement is satisfied by completion of Basic Military Training.

7.3.4. General Education (15 Semester Hours). Applicable courses must meet the definition of General Education Requirement (GER) subjects/courses as provided in the CCAF General Catalog.

7.3.5. Program Elective (15 Semester Hours). Satisfied with the applicable Technical Education, Leadership, Management, and Military Studies, or General Education subjects/courses, including natural science courses meeting GER application criteria. Six semester hours of CCAF degree-applicable technical credit otherwise not applicable to this program may be applied. See the CCAF General Catalog for details regarding the Associates of Applied Science for this specialty.

7.4. AETC Instructor Requirements: Additional off-duty education is a personal choice that is encouraged for all. Individuals desiring to become an Air Education and Training Command Instructor should be actively pursuing an associate's degree. It is necessary for instructors to have at least an associate's degree so the Technical School can maintain accreditation through the Southern Association of Colleges and Schools.

8. Career Field Path

8.1. Enlisted Career Path. Table 8.1 identifies career milestones for the 2A5X3B Air Force Specialty.

Table 8.1 Enlisted Career Path				
Education and Training Requirements	Grade Requirements			
	Rank	Average Sew-On	Earliest Sew-On	High Year Of Tenure (HYT)
Basic Military Training School				
Apprentice Technical School (3-Skill Level)	Amn A1C	6 months 16 months		
Upgrade To Journeyman (5-Skill Level) - Minimum 15 months on-the-job training. - Complete all 5-level core tasks on one MDS. - Complete appropriate CDC if/when available.	Amn A1C SrA	6 months 16 months 3 years	28 months	10 Years
Airman Leadership School (ALS) - Must be a SrA with 48 months time in service or be a SSgt Selectee. - Resident graduation is a prerequisite for SSgt sew-on (Active Duty Only).				
Trainer - Qualified and certified to perform the task to be trained. - Have attended the formal trainer's course and appointed in writing by Commander.			Certifier - Be at least a 5-skill level SSgt; and qualified and certified to perform the task being certified - Attend formal certifier course and appointed in writing by Commander. - Be a person other than the trainer.	
Upgrade To Craftsman (7-Skill Level) - Minimum rank of SSgt. - Complete all 5- and 7-level core tasks on one mission design aircraft. - Complete appropriate CDC if/when available. - Advanced Technical School. - Minimum 12 months on-the-job training	SSgt	7.5 years	3 years	20 Years
Noncommissioned Officer Academy (NCOA) - Must be a TSgt or TSgt Selectee. - Resident graduation is a prerequisite for MSgt sew-on (Active Duty Only).	TSgt MSgt	12.5 years 16 years	5 years 8 years	22 Years 24 Years
USAF Senior NCO Academy (SNCOA) - Must be a SMSgt or SMSgt Selectee. - A percentage of top non-select (for promotion to E-8) MSgts attend the SNCOA each year. - Resident or correspondence graduation is a prerequisite for CMSgt sew-on.	SMSgt	19.2 years	11 years	26 Years
Upgrade To Superintendent (9-Skill Level) - Minimum rank of SMSgt.	CMSgt	21.5 years	14 years	30 Years

8.2. Base/Unit Education and Training Manager Checklist:

Table A8.2. Base/Unit Education and Training Manager Checklist		
Requirements for Upgrade to:	Y	N
Journeyman <ul style="list-style-type: none"> - Has the apprentice completed mandatory CDCs, if available? - Has the apprentice completed all appropriate 5-level core tasks identified in the CFETP? - Has the apprentice completed all other duty position tasks identified by the supervisor? - Has the apprentice completed 15 months training (9 months for retrainees) for award of the 5-skill level? - Has the apprentice met mandatory requirements listed in specialty description, AFMAN 36-2108 (Airmen Classification), and CFETP? - Has the apprentice completed CAMS Course J6AZU00066-058? (Exception: AMC and AMC gained ANG/AFRC Personnel). - Has the apprentice been recommended by their supervisor? 		
Craftsman <ul style="list-style-type: none"> - Has the journeyman achieved the rank of SSgt? - Has the journeyman completed mandatory CDCs? - Has the journeyman completed all core tasks identified in the CFETP? - Has the journeyman completed all other duty position tasks identified by the supervisor? - Has the journeyman completed CAMS Course J6AZU00066-062? (Exception: AMC and AMC gained ANG/AFRC personnel). - Has the journeyman attended 7-skill level Craftsman Course? First, they must complete: <ul style="list-style-type: none"> -- All 7-level training requirements listed in the CFETP. -- All applicable CDCs. - Has the journeyman completed a minimum 12 months UGT for award of the 7-skill level? 		

TO: Squadron/CC

FROM: Squadron Training Manager

SUBJECT: Upgrade Trainee

Trainee is prepared to be upgraded and has completed all training requirements.

Training Manager

Supervisor

SECTION C - SKILL LEVEL TRAINING REQUIREMENTS

9. Purpose: Skill level training requirements in this career field are defined in terms of tasks and knowledge requirements. This section outlines the specialty qualification requirements for each skill level in general terms and establishes the mandatory requirements for entry, award, and retention of each skill level. The specific task and knowledge training requirements are identified in the STS in Part II, Sections A and B of this CFETP.

10. Specialty Qualification: The various skill levels in this career field are defined in terms of tasks and knowledge proficiency requirements for each skill level. They are stated in broad general terms and establish the standards of performance. The specific task and knowledge training requirements are identified in the STS in Part II, Section A of the CFETP. Unit work centers must develop a structured training program to ensure the following requirements are met.

10.1. Apprentice Level Training (3-Level):

10.1.1. Specialty Qualification. To perform duties at the Apprentice Level, an individual must be able to understand basic system theory of operation and be able to perform certain general maintenance tasks under close supervision until task certification is complete.

10.1.1.1. Knowledge. A three-skill level must be able to use technical data, common hand tools, and special test equipment. Apprentices must be qualified to remove and install system LRUs and SRUs, perform operational checks, troubleshoot instrument and flight control systems to the fault identification and/or isolation level, trace signal/data flow of system schematic diagrams, and document maintenance actions in the automated data system.

10.1.1.2. Education. For entry into this specialty, completion of high school with courses in basic electronics, mathematics, general science and mechanics is desirable.

10.1.1.3. Training. Training to the three-skill level will require completion of the E3AQR2A533B 332, Electronic Principles course conducted at Keesler AFB MS, and J3ABR2A533B 002, Instrument and Flight Control Systems Apprentice initial skills course at Sheppard AFB TX. For award of AFSC 2A533B, completion of the both courses is mandatory.

10.1.1.4. Experience. There is no experience necessary for entry into AFSC 2A533B.

10.1.1.5. Other.

10.1.1.5.1. For entry into this specialty, normal color vision as defined in AFI 48-123 is mandatory.

10.1.1.5.2. For award and retention of AFSC 2A533B, eligibility for a Secret security clearance is required as outlined in AFI 31-501.

10.1.2. Training Sources. The initial skills courses are focused to increase “hands-on” time with task performance as the basic learning foundation. These courses will provide the required knowledge and qualification training. Initial skills training encompasses basic system theory and operation, system components, component removal and installation, introduction to maintenance concepts, general flightline maintenance practices, use of technical publications, maintenance documentation, and support equipment familiarization and use. The course will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the STS.

10.1.3. Implementation. Upon graduation from Basic Military Training, airmen travel to Keesler AFB MS for completion of Course E3AQR2A533B 332, Electronic Principles. Airmen will then go to Sheppard AFB TX to attend course J3ABR2A533B 002, Instrument and Flight

Control Systems Apprentice. Upon graduation from this course, airmen should attend appropriate airframe specific Training Detachment (TD) courses.

10.2. Journeyman Level Training (5-Level):

10.2.1. Specialty Qualification. In addition to the 3-level qualifications, a 5-level must possess the knowledge and skills necessary to maintain avionic systems.

10.2.1.1. Knowledge. An individual must be task qualified on: inspecting instrument and flight control systems components, troubleshooting components, removal and installation of system LRUs, repair and replacement of components, BIT/GRT tests, and the use and maintenance of test and support equipment. Individuals must be able to apply the proper handling, use, and disposal of hazardous waste and materials according to environmental standards.

10.2.1.2. Education. There is no formal education for upgrade to 2A553B.

10.2.1.3. Training. Requirements for the Journeyman level require completion of the 5-level CDC and completion of the 5-level core tasks specified in the STS.

10.2.1.4. Experience. Qualification in and possession of AFSC 2A553B. Also, experience performing or supervising functions such as removing and installing system LRUs and SRUs, performing operational checks, and troubleshooting instrument and flight control systems.

10.2.1.5. Other. Normal color vision as defined in AFI 48-123 is mandatory.

10.2.2. Training Sources and Resources. The 5-level CDC provides the career knowledge training required. Qualification training and OJT will provide training and qualification on the core tasks identified in the STS. The CDC is written to build from the trainee's current knowledge base, and provides more in-depth knowledge to support OJT requirements.

10.2.3. Implementation. Training to the 5-level is performed by the unit utilizing STS, CDCs, and OJT. Upgrade to the 5-level requires completion of the 2A553B, Instrument and Flight Control Systems Journeyman, and completion of all 5-level core tasks on one MDS aircraft and appropriate I-level systems.

10.3. Craftsman Level Training (7-Level):

10.3.1. Specialty Qualification. In addition to the 5-level qualifications, an individual must possess advanced skills and knowledge in theory, concepts, principles and application as they apply to instrument and flight control systems.

10.3.1.1. Knowledge. The 7-level must be able to supervise and train personnel to perform required maintenance. They must be able to conduct long-range planning and scheduling, and be able to organize maintenance to ensure effective utilization of available resources. Qualification is required on advanced repair and inspection techniques, component and system fault isolation (troubleshooting and diagnostics techniques), and repair requirements, procedures and evaluation. Historical documentation analysis is also required for all 7-levels.

10.3.1.2. Education. There are no additional education requirements beyond those defined for the apprentice level.

10.3.1.3. Training. Completion of CDC 2AX7X, and the resident 7-level course, J3ACR2A573 001, at Sheppard AFB TX is mandatory for upgrade to AFSC 2A573B.

10.3.1.4. Experience. Completion of all 5- and 7-level core tasks on one MDS aircraft and appropriate I-level systems as identified in the STS, and qualification in and possession of AFSC 2A553B. Also, experience performing or supervising functions such as analyzing equipment operating characteristics to isolate malfunctions in instrument and flight control systems, multiplexed data bus systems, video recording systems, electro-optical viewing systems (EVS), and inertial navigation systems (INS).

10.3.1.5. Other. Normal color vision as defined in AFI 48-123 is mandatory.

10.3.2. Training Sources and Resources. Seven-level upgrade training will be conducted by certified trainers using AF core tasks, unit/MAJCOM specific courses, and the formal 7-level course, J3ACR2A573 001 Craftsman Avionics course. The 7-level CDC and resident courses are written to provide advanced system/management knowledge, and troubleshooting skills.

10.3.3. Implementation. Upgrade to the 7-level will require completion of all applicable 5- and 7-level AF core tasks on one MDS, 7-level CDCs, 18 months OJT as a SSgt, and completion of the 7-level Craftsman Avionics course. Completion of AF core tasks, 7-level CDC, and 12 months OJT as a SSgt will be completed before attending the resident course.

10.4. Superintendent Level Training (9-Level):

10.4.1. Specialty Qualification. In addition to 7-level qualifications, individuals must possess advanced skills and knowledge of concepts and principles in the management of aircraft maintenance.

10.4.1.1. Knowledge. The 9-level needs to be an effective leader, must be able to forecast, budget and manage unit operations and maintenance (O&M) funding and other assigned resources, and must be knowledgeable of environmental standards and ensure adherence to the proper handling and disposal of hazardous materials.

10.4.1.2. Education. There are no additional requirements beyond those defined for the apprentice level.

10.4.1.3. Training. For award of AFSC 2A590, completion of applicable PME courses and promotion to SMSgt is mandatory.

10.4.1.4. Experience. Qualification in and possession of AFSC 2A471, 2A172, or 2A573X. Also experience managing or directing repair activities for offensive avionic systems, and associated maintenance functions.

10.4.1.5. Other. Normal color vision as defined in AFI 48-123 is mandatory.

10.4.2. Training Sources and Resources. The Senior NCO Academy and unit OJT will be used for training.

10.4.3. Implementation. The 9-level will be awarded after completing MAJCOM requirements, unit OJT and promotion to SMSgt. Individuals will attend the Senior NCO Academy after they are selected for promotion to SMSgt. Guard and Reserve personnel may use the correspondence course.

SECTION D - RESOURCE CONSTRAINTS

11. Purpose: This section of the CFETP identifies known resource constraints which preclude optimum/desired training from being developed or conducted. Included is a narrative explanation of each resource constraint, an impact statement describing the effect on training, the resources needed, and actions required to satisfy the training requirements.

12. Apprentice Level Training:

12.1. Constraint: Technical school aircraft and trainer configurations do not support all of the identified STS Apprentice Level Course objectives. Several operational checks must be developed before certain STS line items can be taught.

12.1.1. Impact: A number of STS task items cannot be taught due to the lack of operational systems on Sheppard AFB aircraft.

12.1.2. Resources Required: Aircraft systems require parts and repair.

12.1.3. Action Required: Repair aircraft systems. OPR: 82 LG and 365 TRS.

12.1.4. OPR/Target Completion Date. 365 TRS/TRR and 82 LG. Oct 02.

Section E. - Transitional Training Guide.

Initial Skills Training (3 Skill Level): The basic 2A5X3B initial skills course taught at Sheppard AFB is 73 Academic Days in length. This revised course will be on-line NLT January 2003 so students can be graduated by March 2003. The 2A553B, Instrument and Flight Control Systems Journeyman are required for upgrade. The CDCs will be used for SKT testing.

Journeyman/Craftsman (5/7 Skill Level): there is no required training for this conversion.

Individuals will be exempt from SKT testing for two years (until 2005 cycle).

PART II

SECTION A - SPECIALTY TRAINING STANDARD

1. Implementation. This STS will be used for technical training provided by Air Education and Training Command (AETC) for classes beginning January 2003.

2. Purpose. As prescribed in AFI 36-2201, this STS:

2.1. Lists in column 1 (Task, Knowledge, and Technical Reference) the most common tasks, knowledge, and technical references (TR) necessary for airmen to perform duties in the 3-, 5-, and 7-skill level.

2.2. Identifies in column 2 (Core Tasks) by asterisk (*), specialty-wide training requirements. Core tasks identified with an */R are optional for the AFRC and the ANG. MAJCOM Functional Managers, commanders, and supervisors may designate additional critical tasks as necessary. When designated, certify these core tasks using normal core task certification procedures. As a minimum, certification on all AFCFM directed core tasks applicable to the specialty must be completed for skill level upgrade. Exemptions:

2.2.1. Core tasks which are not applicable to base assigned aircraft or equipment are not required for upgrade (units are not required to send personnel TDY for core task training)

2.2.2. For units with more than one mission design (e.g. A-10) aircraft, upgrade trainees need only complete core tasks on a single mission design. MFM's, unit commanders, and/or supervisors may require trainees to complete core task training on additional mission design aircraft, if desired. If some of these core tasks involve training in another unit on base, trainees must still complete all core tasks relevant to at least one mission design aircraft. All units are bound by the requirements in this CFETP and will accommodate core task trainees from other units.

2.2.3. Units that use the GO81 maintenance data collection system do not need to complete Core Automated Maintenance System (CAMS) Computer Based Training (CBT) core tasks.

However, these units must be capable of training CAMS related CBT core tasks for deployment preparation. This capability ensures GO81 users are capable of operating CAMS prior to deploying to CAMS using units.

2.3. Provides certification for OJT. Column 3 is used to record completion of tasks and knowledge training requirements. Use automated training management systems to document technician qualifications, if available. Task certification must show a certification completed date.

2.4. Shows formal training and correspondence course requirements. Column 4 shows the proficiency to be demonstrated on the job by the graduate as result of training on the task/knowledge and the career knowledge provided by the correspondence course. When two codes are used in columns 4A and 4C(1) (e.g. 2b/b), the first code is the established requirement for resident training on the task/knowledge, and the second code indicates the level of training provided in the course due to equipment shortages or other resource constraints. See CADRE/AFSC/CDC listing maintained by the Unit Training Manager for current CDC listing.

2.5. Qualitative Requirements. Attachment 1 contains the proficiency code key used to indicate the level of training and knowledge provided by resident training and career development courses.

2.6. Job Qualification Standard. Becomes a job qualification standard (JQS) for on-the-job training when placed in AF Form 623, **On-The-Job Training Record**, and used according to AFI 36-2201. For OJT, the tasks in column 1 are trained and qualified to the go/no go level. "Go" means the individual can perform the task without assistance and meets local requirements for accuracy, timeliness, and correct procedures. When used as a JQS, the following requirements apply:

2.6.1. Documentation. Document and certify completion of training IAW AAFMAN 36-2247, Chapter 5. Automated records, utilizing Core Automated Management System (CAMS) or Global Combat Support System (GCSS), reflecting this STS may be used and are highly encouraged. Use of attachments one, two and twenty is mandatory in individual training records along with CFETP Part I and Part II, Section A. Use of at least one of attachments three through nineteen is required. Identify duty position requirements by circling (in pencil) the subparagraph number next to the task statement. As a minimum, complete the following columns in Part 2 of the CFETP: date training completed, trainee initials, trainer initials, and certifier initials (core tasks only). Trainers may sign off non-core and non-critical tasks by initialing the trainer's column; third party certification is not required for non-core and non-critical tasks. There are no approved AFJQS for this AFSC.

2.6.1.1. Converting from Old Document to CFETP. All AFJQSs and previous CFETPs are replaced by this CFETP; therefore, conversion of all training records to this CFETP STS is mandatory. Use this CFETP STS (or automated STS) to identify and certify all past and current qualifications.

2.6.1.1.1. For those core and critical tasks previously certified and required in the current duty position, evaluate current qualifications and when verified, re-certify using current date as completion date, and enter trainee's and certifier's initials. Remember, during the transcription process no training is taking place. Therefore, the trainer's initials are not required.

2.6.1.1.2. For non-core and non-critical tasks previously certified and required in the current duty position, evaluate current qualifications and when verified, re-certify using current date as completion date, and enter trainee's and trainer's initials.

2.6.1.1.3. When transcribing previous certification for tasks not required in the current duty position, carry forward only the previous completion date of certification (not the initials of another person). If and when transcribed tasks become duty position requirements, re-certify using standard certification procedures.

2.6.1.1.4. The person whose initials appear in the trainer or certifier block during the transcription process must meet the requirements of their respective roles.

2.6.1.1.5. Upon completion of the transcription process, give the old CFETP to the member.

2.6.1.2. Documenting Career Knowledge. When a CDC is not available: the supervisor identifies CFETP Part II training references that the trainee requires for career knowledge and ensures, as a minimum, that trainees cover the mandatory items in AFI 36-2108. For two-time CDC course exam failures: Supervisors identify all Part II items corresponding to the areas covered by the CDC. The trainee completes a study of references, undergoes evaluation by the task certifier, and receives certification on the CFETP Part II. *Supervisors must document successful completion of career knowledge prior to submission of a CDC waiver.*

2.6.1.3. Decertification and Recertification. When an airman is found to be unqualified on a task previously certified for his or her position, the supervisor lines through the previous certification or deletes previous certification when using automated system. Appropriate remarks are entered on the AF Form 623A, **On-The-Job Training Record Continuation Sheet**,

as to the reason for decertification. The individual is recertified (if required) either by erasing the old entries and writing in the new or by using correction fluid/tape (if the entries were made in ink) over the previously certified entry.

2.6.2. AF Form 797. When additional items not listed in the CFETP Part II are necessary in the current duty assignment, enter them on the AF Form 797. Fill out the form IAW AFMAN 36-2247.

2.6.3. Disposition of Training Records. Upon separation, retirement, commissioning, or promotion to Master Sergeant (unless otherwise directed by the AFCFM, MAJCOM, unit commander, or supervisor), give the individual their training records. Also, give individuals outdated training records after transcribing records. Do not remove any training records that show past qualifications unless transcribed to a new CFETP. For example, an individual working in a tool crib must maintain documented career field qualifications in case they return to duty on the flightline or in the shop. Supervisors must exercise good judgment when removing training records not needed in current duty positions.

2.7. Specialty Training Standard. Is a guide for development of promotion tests used in the Weighted Airman Promotion System (WAPS). Specialty Knowledge Tests (SKTs) are developed at the USAF Occupational Measurement Squadron by senior NCOs with extensive practical experience in their career fields. The tests sample knowledge of STS subject matter areas judged by test development team members as most appropriate for promotion to higher grades. Questions are based upon study references listed in the WAPS catalog. Individual responsibilities are in chapter 14 of AFI 36-2606, *US Air Force Reenlistment, Retention, and NCO Status Programs*. WAPS is not applicable to the Air National Guard or Air Force Reserve.

3. Recommendations. Report unsatisfactory performance of individual course graduates to the AETC training manager at 365 TRS/TRR, 609 9th Avenue Stop 242, Sheppard AFB TX, 76311-2335, DSN 736-7891. Reference specific STS paragraphs. For a quick response to problems, call our Training Feedback line, DSN 736-2574.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

MICHAEL E. ZETTLER, Lieutenant General, USAF
DCS/Installations and Logistics

20 Attachments

1. Proficiency Code Key (Mandatory to file with CFETP Section I and Section II, Part A)
2. Training Requirements, Common Task (Mandatory)
3. Training Requirements, B-1 (Mandatory for B-1 personnel)
4. Training Requirements, B-2 (Mandatory for B-2 personnel)
5. Training Requirements, B-52 (Mandatory for B-52 personnel)
6. Training Requirements, C-5 (Mandatory for C-5 personnel)
7. Training Requirements, C-9 (Mandatory for C-9 personnel)

8. Training Requirements, C-17 (Mandatory for C-17 personnel)
9. Training Requirements, C-32 (Mandatory for C-32 personnel)
10. Training Requirements, C-37 (Mandatory for C-37 personnel)
11. Training Requirements, C-130 (Mandatory for C-130 personnel)
12. Training Requirements, C-135 (Mandatory for C-135 personnel)
13. Training Requirements, C-141 (Mandatory for C-141 personnel)
14. Training Requirements, E-3 (Mandatory for E-3 personnel)
15. Training Requirements, E-4 (Mandatory for E-4 personnel)
16. Training Requirements, E-8 (Mandatory for E-8 personnel)
17. Training Requirements, HH-60/UH-1 (Mandatory for HH-60/UH-1 personnel)
18. Training Requirements, KC-10 (Mandatory for KC-10 personnel)
19. Training Requirements, AFSOC (Mandatory for AFSOC personnel)
20. Training Requirements, Electronic Fundamentals (Mandatory)

Note: One of attachments 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 must be filed.

<i>THIS BLOCK IS FOR IDENTIFICATION PURPOSES ONLY</i>		
NAME OF TRAINEE		
PRINTED NAME (<i>Last, First, Middle Initial</i>)	INITIALS (<i>Written</i>)	SSAN
PRINTED NAME OF TRAINING/CERTIFYING OFFICIAL AND WRITTEN INITIALS		
N/I	N/I	

QUALITATIVE REQUIREMENTS

PROFICIENCY CODE KEY		
	SCALE VALUE	DEFINITION: The individual
PERFORMANCE LEVELS	1	IS EXTREMELY LIMITED. (Can do simple parts of the task. Needs to be told or shown how to do most of the task.)
	2	IS PARTIALLY PROFICIENT. (Can do most parts of the task. Needs only help on hardest parts.)
	3	IS COMPETENT. (Can do all parts of the task. Needs only a spot check of completed work.)
	4	IS HIGHLY PROFICIENT. (Can do the complete task quickly and accurately. Can tell or show others how to do the task.)
*TASK KNOWLEDGE LEVELS	a	KNOWS NOMENCLATURE. (Can name parts, tools, and simple facts about the task.)
	b	KNOWS PROCEDURES. (Can determine step by step procedures for doing the task.)
	c	KNOWS OPERATING PRINCIPLES. (Can identify why and when the task must be done and why each step is needed.)
	d	KNOWS ADVANCED THEORY. (Can predict, isolate, and resolve problems about the task.)
* *SUBJECT KNOWLEDGE LEVELS	A	KNOWS FACTS. (Can identify basic facts and terms about the subject.)
	B	KNOWS PRINCIPLES. (Can identify relationship of basic facts and state general principles about the subject.)
	C	KNOWS ANALYSIS. (Can analyze facts and principles and draw conclusions about the subject.)
	D	KNOWS EVALUATION. (Can evaluate conditions and make proper decisions about the subject.)
EXPLANATIONS		
<p>A task knowledge scale value may be used alone or with a task performance scale value to define a level of knowledge for a specific task. (Example: b and 1b)</p> <p>* * A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task, or for a subject common to several tasks.</p> <ul style="list-style-type: none"> - This mark is used alone instead of a scale value to show that no proficiency training is provided in the course or CDC. X This mark is used alone in course columns to show that training is required but not given due to limitations in resources. / This mark is used in course columns to show that training is required but not given due to limitations in resources (3b/-, 2b/-) or that training is presented to a lower level due to limitations in resources (3c/b, 2b/b). 		

COMMON TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse
										(1) CDC

ATTACHMENT 2 (Common Training Requirements)

NOTE 1: The apprentice course will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.

NOTE 2: All course requirements are trained in the 3-level resident course during wartime. The 7-level in-residence course is not taught during wartime.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items marked in columns 2A or 2B marked with a */R are optional core tasks for ANG and AFRC.

NOTE 5: Address comments or recommended changes through the MAJCOM Functional Manager to the AETC Training Manager, at DSN 736-7891.

A2.1. CAREER LADDER PROGRESSION										
A2.1.1. Progression in Career Ladder 2A5X3B TR: AFI 36-2108, AFVA 39-1								-	-	-
A2.1.2. Duties of 3-, 5-, and 7-level Personnel TR: AFI 36-2108								-	-	-
A2.2. SECURITY										
A2.2.1. Information Security TR: AFI 31-401, 31-501, AFPD 31-4, 31-5, Applicable directives										
A2.2.1.1. Classification of Information								A	-	-
A2.2.1.2. Prevention of Security Violations								A	-	-
A2.2.1.3. Access to Classified Information								-	-	-
A2.2.2. Physical Security TR: AFR 207-4, AFPD 31-1										
A2.2.2.1. Control of Restricted Areas								-	-	-
A2.2.2.2. Security Alert Reporting								-	-	-
A2.2.2.3. Make entries on cabinet, safes, and room security forms								a	-	-
A2.2.2.4. Proper handling of classified materials/ controlled cryptographic item (CCI)								A	-	-
A2.2.3. Communications Security (COMSEC) TR: AFI 33.211, DOD 5200.1-4, AFPD 33-2										
A2.2.3.1. COMSEC Education Program								-	-	-
A2.2.3.2. Specific 2A5X3XB Vulnerabilities								A	-	-

COMMON TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A2.2.4. Operations Security (OPSEC) TR: AFI 10-1101, AFPD 10-11; Applicable directives										
A2.2.4.1. Goals of OPSEC Program								A	-	-
A2.2.4.2. Relationship to other programs								-	-	-
A2.2.4.3. Specific 2A5X3B Vulnerabilities								A	-	-
A2.2.4.4. Function of CILs (Critical Information Lists)								A	-	-
A2.2.5. Computer Security (COMPUSEC)								-	-	-
A2.3. AF OCCUPATIONAL SAFETY AND HEALTH (AFOSH) PROGRAM TR: AFOSH STD 91 series, appropriate technical orders										
A2.3.1. AFOSH standards for AFSC 2A5X3B								A	B	-
A2.3.2. Maintain safe work area								-	-	-
A2.3.3. Hazards/Safety Practices of AFSC 2A5X3B										
A2.3.3.1. RF Energy								A	B	-
A2.3.3.2. Noise								A	-	-
A2.3.3.3. Compressed Gases								A	A	-
A2.3.3.4. Electrical Power								A	B	-
A2.3.3.5. Hydraulic Power								A	B	-
A2.3.3.6. Hazardous Liquids								A	-	-
A2.3.3.7. Radioactive Parts and Materials								A	-	-
A2.3.3.8. Aircraft								-	-	-
A2.3.3.9. AGE								-	-	-
A2.3.3.10. Electrical Equipment								A	-	-
A2.3.3.11. Beryllium/Copper Alloys								A	-	-
A2.3.3.12. Lasers								A	-	-

COMMON TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A2.3.3.13. Composites								A	-	-
A2.3.3.14. CRTs								A	-	-
A2.3.3.15. Lifting Devices								A	-	-
A2.3.3.16. Munitions laden aircraft								-	-	-
A2.3.4. Practice FOD Prevention								2b	-	-
A2.3.5. Fall Protection/Restraints								A	-	-
A2.3.6. AF Nuclear Surety Program								-	-	-
A2.4. HAZARDOUS MATERIALS AND WASTE HANDLING ACCORDING TO ENVIRONMENTAL STANDARDS TR: AFI 23-504, AFI 33-7042, AFPAM 32-7043, Applicable Federal Codes, EPA State Regulations										
A2.4.1. Types of hazardous material /fluids								A	B	-
A2.4.2. Handling procedures								A	B	-
A2.4.3. Storage and labeling								A	B	-
A2.4.4. Proper disposal								A	B	-
A2.4.5. Material Safety Data Sheets								A	B	-
A2.4.6. Report Hazard Material Spills								-	-	-
A2.5. MAINTENANCE MANAGEMENT TR: AFI-21-103										
A2.5.1. Purpose and function of the Maintenance Organization								-	A	C
A2.5.2. Maintenance Data Collection								A	B	-
A2.5.3. Automated Maintenance Systems								A	A	-
A2.5.4. Maintenance Accountability								-	B	C
A2.5.5. Operational Risk Management								-	-	B
A2.5.6. Logistics/Resource Maintenance Management										

COMMON TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A2.5.6.1. Logistics Management								-	-	C B
A2.5.6.2. Resource Management								-	-	- B
A2.5.6.3. Agile Logistics								-	-	C A
A2.5.6.4. Standard Publication Use								-	A	- -
A2.5.6.5. Deficiency Reporting								-	A	- B
A2.5.6.6. Product Improvement Working Group, Test Planning Working Group, System Training Plan, and Product Improvement Review								-	-	- A
A2.5.6.7. Financial Plan								-	-	- A
A2.5.6.8. Aircraft Maintenance Management Information Systems (CEMS, RAMPOD, PAMS, etc)								-	-	- B
A2.5.6.9. SMR Codes (AFTO Form 135)								-	-	- B
A2.5.6.10. Modification Proposals (AF Form 1067)								-	-	- B
A2.5.6.11. Aircraft/Equipment Status Monitoring								-	-	- B
A2.5.6.12. Compliance and Standardization Requirements Listing (CSRL)								-	-	- A
A2.5.6.13. Maintenance QPM Relationships (repeat/recur, fix, break, cannibalization rates etc.)								-	-	- B
A2.5.6.14. FOD Program Manager								-	-	- A
A2.5.6.15. Mobility (hazard declarations)								-	-	- A
A2.5.6.16. Expediter, Production Supervisor and Flight Chief Duties and Responsibilities								-	-	- B
A2.5.6.17. Maintenance Incident Investigation and Prevention								-	-	- B
A2.5.6.18. AFMC Responsibility								-	-	- A
A2.5.6.19. Minimum Essential Configuration Management								-	-	C B
A2.5.6.20. Warranty Program								-	-	B -
A2.5.6.21. TMDE Program								-	-	- A

COMMON TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A2.5.6.22. Workcenter Responsibilities								-	-	- B
A2.5.6.23. IDEA Program								-	-	- -
A2.5.6.24. Repair Cycle Asset Program								A	-	C B
A2.5.6.25. Resource Protection								-	-	- A
A2.5.6.26. Status of Resources and Training (SORTS)								-	-	- A
A2.6. MAINTENANCE AND INSPECTION SYSTEMS, FORMS TR: 00-20 series technical orders										
A2.6.1. Maintenance Systems								-	-	- -
A2.6.2. Aircraft Inspection Systems								-	B	- -
A2.6.3. Use Maintenance Data Collection Forms								2b	-	- -
A2.6.4. Historical Records								-	-	- B
A2.6.5. Status Reports								-	-	- B
A2.6.6. Configuration Management (aircraft/equipment records)								-	-	- B
A2.6.7. Operate Core Automated Maintenance Systems (CAMS) TR: 00-20-2										
A2.6.7.1. Create discrepancy	*							2b	-	- -
A2.6.7.2. Schedule discrepancy	*							2b	-	- -
A2.6.7.3. Defer discrepancy	*							2b	-	- -
A2.6.7.4. Transfer discrepancy	*							2b	-	- -
A2.6.7.5. Supply transactions								-	-	- -
A2.6.7.6. Maintenance/Supervision Transactions								-	-	- A
A2.6.7.7. Access and print all open events assigned to workcenter								2b	-	- -
A2.6.7.8. Complete course J6ANU00066 043	*R							-	-	- -
A2.6.7.9. Sign off discrepancy										

COMMON TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A2.6.7.9.1. Cannibalization	*							2b	-	-
A2.6.7.9.2. Action taken Code "P"	*							2b	-	-
A2.6.7.9.3. Action taken Code "Q"	*							2b	-	-
A2.6.7.9.4. Action taken Code "R"	*							2b	-	-
A2.6.7.9.5. Special Inspections								2b	-	-
A2.6.8. Operate other Automated Maintenance System										
A2.6.8.1. GO81								-	-	-
A2.6.9. Job Data Documentation								-	-	-
A2.6.10. Material Deficiency Reporting System TR: 00-35D-54										
A2.6.10.1. Deficiency Reporting System								A	A	-
A2.6.10.2. Use								-	-	3c
A2.6.10.3. Initiate software improvement/deficiency report								-	-	-
A2.6.11. Use aircraft/equipment maintenance forms										
A2.6.11.1. 781A	*							2b	A	-
A2.6.11.2. 781B								-	-	-
A2.6.11.3. 781C								-	-	-
A2.6.11.4. 781F								-	-	-
A2.6.11.5. 781H								2b	A	-
A2.6.11.6. 781J								-	A	-
A2.6.11.7. 781K	*							2b	A	-
A2.6.11.8. 781L								-	-	-
A2.6.11.9. 781M								-	-	-
A2.6.11.10. Form 244/245								2b	A	-

COMMON TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A2.6.11.11. Warning Tags								2b	A	- -
A2.7. SUPERVISION										
A2.7.1. Orient new personnel TR: AFI-36-2108, 36-2201								- -	- -	- -
A2.7.2. Assign personnel to work assignments								- -	- -	- -
A2.7.3. Plan work assignments and priorities								- -	- -	- -
A2.7.4. Schedule work assignments and priorities								- -	- -	- -
A2.7.5. Coordinate work assignments TR: AFI 36-2123, 21-101, 21-144, Applicable Command Directives								- -	- -	- -
A2.7.6. Establish Command Directives TR: AFI 21-101, 21-114										
A2.7.6.1. Work methods								- -	- -	- -
A2.7.6.2. Controls								- -	- -	- -
A2.7.6.3. Performance standards								- -	- -	- -
A2.7.7. Evaluate work performance of subordinate personnel								- -	- -	- -
A2.7.8. Help resolve technical problems for subordinate personnel								- -	- -	- -
A2.7.9. Initiate actions to correct substandard performance TR: AFI 36-2503, -2907, -3202, -3208								- -	- -	- -
A2.7.10. Supervise										
A2.7.10.1. Maintenance Actions								- -	- -	B
A2.7.10.2. Inspection Actions								- -	- -	B
A2.7.11. Analyze										
A2.7.11.1. Maintenance Reports and Charts								- -	- -	B
A2.7.11.2. Inspection Reports and Charts								- -	- -	B
A2.7.12. Prepare										

COMMON TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A2.7.12.1. Maintenance Inspection Reports and Charts								-	-	-
A2.7.12.2. Organization and Functional Charts								-	-	-
A2.7.13. Justify TR: AFI 21-101, 21-114										
A2.7.13.1. Personnel Manning Requirements								-	-	-
A2.7.13.2. Equipment Authorizations								-	-	-
A2.7.14. Statement of Charges TR: AFMAN 23-220, 177-11; DOD 7200.10M								-	-	B
A2.7.15. Perform Reports of Survey TR: AFMAN 23-220; DOD 7200.10M								-	-	B
A2.7.16. Aircraft Scheduling TR: AFI 21-103										
A2.7.16.1. Utilize Flow Charts								-	-	C
A2.7.16.2. Status Reporting								-	-	-
A2.7.16.3. Flying/Maintenance Plan								-	-	B
A2.7.17. Maintenance Mobility Plan								-	-	-
A2.8. TRAINING TR: AFI 36-2201										
A2.8.1. Plan Training								-	-	-
A2.8.2. Conduct Training								-	-	-
A2.8.3. Evaluate Training								-	-	-
A2.8.4. Maintain Training Records								-	-	-
A2.8.5. Prepare JQSs (AF Form 797s)								-	-	-
A2.8.6. Career Field Education and Training Plan (CFETP)								-	-	B
A2.8.7. Specialty Training Standard (STS) TR: AFI 36-2201								-	-	B
A2.8.8. Occupational Survey Report (OSR) TR: AFI 36-2201								-	-	B

COMMON TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A2.8.9. Utilization and Training Workshop (U&TW) TR: AFI 36-2201								-	-	-
A2.9. TECHNICAL PUBLICATIONS TR: 0-1-01, 00-5-1, 00-5-2, 00-5-15, 00-5-17, 00-5-18, 00-20-1, 00-20-5, 80-, 00-1										
A2.9.1. Scope and application of the Technical Order System								A	B	-
A2.9.2. Use technical orders								2b	-	-
A2.9.3. Use Technical Order Indexes								2b	-	-
A2.9.4. Scope and application of Technical Order Improvement/Deficiency Report								-	B	-
A2.9.5. Initiate Technical Order Improvement/Deficiency Report								a	B	-
A2.9.6. Scope and application of the Computer Program Identification Number (CPIN) system								A	A	-
A2.9.7. Use CPIN Compendium								-	-	-
A2.9.8. Time Compliance Technical Order								-	A	-
A2.9.9. Maintain Technical Order Files								-	A	-
A2.10. SUPPLY DISCIPLINE TR: AFI 21-101, AFMAN 23-110, ACCI 21-101										
A2.10.1. Property accountability and responsibility								A	A	-
A2.10.2. Principles of equipment authorization and management								-	A	-
A2.10.3. Special Requisitions								-	-	-
A2.10.4. Back Order Verification								-	-	C
A2.10.5. Use Equipment Condition Tags								2b	-	-
A2.10.6. Use Microfiche/Computer based programs								-	-	-
A2.10.7. Use Issue/Turn-in Requests								a	-	-
A2.10.8. Maintenance Supply Concept								-	-	-
A2.10.9. Supply Documents Management								-	-	B

COMMON TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A2.10.10. Equipment Account Management								-	-	-
A2.10.11. Priority System								-	-	-
A2.10.12. Repair Cycle Assets								-	-	-
A2.10.13. Standard Base Supply System (SBSS)								A	-	-
A2.10.14. FEDLOG								A	-	-
A2.10.15. Land Mobile Radios, Pagers, and Cell Phones								-	-	-
A2.10.16. Depot Level Repairable								-	-	-
A2.10.17. Use Supply Products										
A2.10.17.1. DO4 (Daily Document Register)								-	-	-
A2.10.17.2. D18 (Priority Monitor List)								-	-	-
A2.10.17.3. M30 (Due-out Validation Listing)								-	-	-
A2.10.17.4. D23 (Due-In From Maintenance Listing)								-	-	-
A2.11. FUNDAMENTALS OF ON EQUIPMENT MAINTENANCE TR: Applicable aircraft -1 and -2 technical orders										
A2.11.1. Use common hardware TR: AFI 91-408, Applicable aircraft -4 IPBs, 1-1A-8								2b	B	-
A2.11.2. Use common tools TR: AFI 91-408, technical orders 00-25-234, 32-1-1, 32-1-2, 32-1-101, 32-1-211								2b	b	-
A2.11.3. Use Torque Indicating Devices	*							2b	b	-
A2.11.4. Use Tension Indicating Devices								1a	b	-
A2.11.5. Protect exposed electrical connectors and pressure lines								a	-	-
A2.11.6. Apply Range/Slippage Marks								2b	-	-
A2.11.7. Protection procedures when handling Electrostatic Sensitive Devices								1b	B	-
A2.11.8. Use of panel sealant(s)								-	-	-

COMMON TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A2.11.9. Identify and perform corrosion control								a	b	- -
A2.11.10. Inventory and inspect CTKs								2b	-	- -
A2.11.11. Lost tool reporting procedures TR: AFI 21-101								A	b	- -
A2.11.12. Use safetying devices TR: 1-1-8										
A2.11.12.1. Safety Wire								2b	b	- -
A2.11.12.2. Shear Wire								2b	-	- -
A2.11.13. Remove and install (R&I) TR: Applicable -2 technical orders										
A2.11.13.1. Shock Mounted	*							2b	-	- -
A2.11.13.2. Tray Mounted	*							2b	-	- -
A2.11.13.3. Rack Mounted	*							2b	-	- -
A2.11.13.4. Console Mounted	*							2b	-	- -
A2.11.13.5. Aircraft Surface Mounted	*							2b	-	- -
A2.11.13.6. Bezel Mounted	*							2b	-	- -
A2.11.13.7. Clamp Mounted	*							2b	-	- -
A2.11.14. Aircraft Familiarization TR: TBD										
A2.11.14.1. Major Structural Areas								A	B	- -
A2.11.14.2. Major Systems								A	B	- -
A2.11.14.3. Danger Areas								B	B	- -
A2.11.14.4. Egress Systems								A	-	- -
A2.11.14.5. Practice safe entry procedures on aircraft with open fuel cells								-	-	- -
A2.11.14.6. Purpose of Radar Absorption Material (RAM)								A	-	- -
A2.11.14.7. Inspect aircraft systems for safe and secure installation								-	-	- -

COMMON TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.11.14.8. Launch/Recover Aircraft								-	-	-	-
A2.11.15. Tow Aircraft											
A2.11.15.1. Wing/Tail Walker								-	-	-	-
A2.11.15.2. Brake Operator								-	-	-	-
A2.11.15.3. Tow Supervisor								-	-	-	-
A2.11.15.4. Tow Vehicle Operator								-	-	-	-
A2.11.16. Jack Aircraft											
A2.11.16.1. Jack Supervisor								-	-	-	-
A2.11.16.2. Jack Member								-	-	-	-
A2.11.17. Wash aircraft								-	-	-	-
A2.11.18. Refuel aircraft								-	-	-	-
A2.11.19. Defuel aircraft								-	-	-	-
A2.11.20. Perform Aircraft Phase/Isochronal Inspection								-	-	-	-
A2.11.21. Maintain tool crib								-	-	-	-
A2.11.22. Debrief								-	-	-	-
A2.11.23. Dispatch Maintenance Crews								-	-	-	-
A2.11.24. Ensure aircraft is safe for Simulated Airborne Conditions								-	-	-	-
A2.11.25. Perform Proximity Switch Control covering/uncovering								-	-	-	-
A2.11.26. Use powered AGE											
A2.11.26.1. Power Cart (air)								-	-	-	-
A2.11.26.2. Heater								-	-	-	-
A2.11.26.3. Air Conditioner								-	-	-	-
A2.11.26.4. Light Cart								-	-	-	-

COMMON TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.11.26.5. Air Compressor (MC-1A/MC-2A)								-	-	-	-
A2.11.26.6. Nitrogen Cart								-	-	-	-
A2.11.26.7. Ground Power Unit								-	-	-	-
A2.11.26.8. Powered man-lift(s)								-	-	-	-
A2.11.26.9. Operate motorized maintenance stand TR: Operator manuals								-	-	-	-
A2.11.26.10. Use Deicer								-	-	-	-
A2.11.27. Use non-powered AGE TR: AFI 91-408, applicable aircraft-4 technical orders											
A2.11.27.1. Maintenance Platform (B-1)								2b	-	-	-
A2.11.27.2. Maintenance Platform (B-2)								2b	-	-	-
A2.11.27.3. Maintenance Platform (B-4/B-5)								2b	-	-	-
A2.11.27.4. Maintenance Platform (B-7)								-	-	-	-
A2.11.27.5. Maintenance Platform (C-1)								-	-	-	-
A2.12. FUNDAMENTALS OF AVIONICS SYSTEMS MAINTENANCE TR: Applicable aircraft -1 and -2 technical orders											
A2.12.1. Fundamentals of Flight								B	B	-	-
A2.12.2. Nuclear Hardness Maintenance and inspections TR: Applicable system JG-00-1, 1-1A-14								A	-	-	-
A2.12.3. Source of EMI											
A2.12.3.1. Identify								A	A	-	-
A2.12.3.2. Locate								-	-	-	-
A2.12.3.3. Eliminate								-	-	-	-
A2.13. MULTIPLEX BUS											
A2.13.1. Theory of Operation								B	B	-	-

COMMON TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A2.13.2. Data Bus Principles/Maintenance Practices TR: Applicable aircraft technical orders										
A2.13.2.1. Local Area Networks (OWS-LAN) 802.3								-	-	-
A2.13.3. MIL-STD-1553B								B	B	-
A2.13.4. Fiber Optics								A	A	-
A2.13.5. Troubleshoot Data Bus								2b	-	-
A2.14. GENERAL FLIGHT CONTROL SYSTEMS										
A2.14.1. Manual Flight Controls										
A2.14.1.1. Primary Flight Control Theory of Operation										
A2.14.1.1.1. Fixed Wing								B	B	-
A2.14.1.1.2. Rotary Wing								B	B	-
A2.14.1.1.3. Secondary Flight Control Theory of Operation								B	B	-
A2.14.1.2. Flight Control Systems Tie-In/Integration										
A2.14.1.2.1. Mechanical								B	B	-
A2.14.1.2.2. Electro-Mechanical								B	B	-
A2.14.1.2.3. Hydro-Mechanical								B	B	-
A2.14.1.2.4. Electro-Hydraulic								B	B	-
A2.15. POSITION INDICATING/MESUREMENT SYSTEMS										
A2.15.1. Theory of Operation								A	A	-
A2.15.2. System Tie-In/Integration								-	-	-
A2.15.3. Perform inspection								-	-	-
A2.15.4. Perform operational checks								-	-	-
A2.15.5. Troubleshoot								-	-	-
A2.16. AUTOMATIC FLIGHT CONTROL SYSTEMS										

COMMON TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A2.16.1. Theory of Operation								B	B	- -
A2.16.2. System Tie-In/Integration								B	B	- -
A2.16.3. Perform inspection								2b	- -	- -
A2.16.4. Perform operational checks								2b	- -	- -
A2.16.5. Troubleshoot								2b	- -	- -
A2.17. STABILITY AUGMENTATION SYSTEM										
A2.17.1. Theory of Operation								B	B	- -
A2.17.2. System Tie-In/Integration								B	B	- -
A2.17.3. Perform inspection								2b	- -	- -
A2.17.4. Perform operational checks								2b	- -	- -
A2.17.5. Troubleshoot								2b	- -	- -
A2.18. FLIGHT CONTROL TRIM										
A2.18.1. Theory of Operation								B	B	- -
A2.18.2. System Tie-In/Integration								A	- -	- -
A2.18.3. Perform inspection								- -	- -	- -
A2.18.4. Perform operational checks								- -	- -	- -
A2.18.5. Troubleshoot								- -	- -	- -
A2.19. GENERAL COMPUTER COMPLEX										
A2.19.1. Principles										
A2.19.1.1. Central Processing Unit								- -	- -	- -
A2.19.1.2. Memory Storage Devices								- -	- -	- -
A2.19.2. On-Board Diagnostic Systems										
A2.19.2.1. Theory of Operation								A	B	- -
A2.19.2.2. System Tie-In/Integration								A	B	- -

COMMON TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A2.19.2.3. Perform inspection								-	-	-
A2.19.2.4. Perform operational checks								-	-	-
A2.19.2.5. Troubleshoot								-	-	-
A2.19.3. Controls and Displays										
A2.19.3.1. Theory of Operation								B	B	-
A2.19.3.2. System Tie-In/Integration								A	-	-
A2.19.3.3. Perform inspection								-	-	-
A2.19.3.4. Perform operational checks								2b	-	-
A2.19.3.5. Troubleshoot								-	-	-
A2.19.4. Data Transfer System										
A2.19.4.1. Theory of Operation								B	B	-
A2.19.4.2. System Tie-In/Integration								A	-	-
A2.19.4.3. Perform inspection								-	-	-
A2.19.4.4. Perform operational checks								-	-	-
A2.19.4.5. Load/Download Software								-	-	-
A2.19.4.6. Troubleshoot								-	-	-
A2.19.5. Mission Computer/Flight Management Systems										
A2.19.5.1. Theory of Operation			Use FMS800 C-135					A	A	-
A2.19.5.2. System Tie-In/Integration								A	A	-
A2.19.5.3. Perform inspection								-	-	-
A2.19.5.4. Perform operational checks								-	-	-
A2.19.5.5. Load/Download Software								-	-	-
A2.19.5.6. Troubleshoot								-	-	-
A2.19.6. Fuel Management Systems										

COMMON TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A2.19.6.1. Theory of Operation			Use B-1					A	B	- -
A2.19.6.2. System Tie-In/Integration								A	-	- -
A2.19.6.3. Perform inspection								-	-	- -
A2.19.6.4. Perform operational checks								-	-	- -
A2.19.6.5. Load/Download Software								-	-	- -
A2.19.6.6. Troubleshoot								-	-	- -
A2.20. GENERAL NAVIGATION SYSTEMS										
A2.20.1. Attitude Heading Reference System										
A2.20.1.1. Theory of Operation								B	B	- -
A2.20.1.2. System Tie-In/Integration								A	B	- -
A2.20.1.3. Perform inspection								2b	-	- -
A2.20.1.4. Perform operational checks								2b	-	- -
A2.20.1.5. Troubleshoot								2b	-	- -
A2.20.2. Flight Director System										
A2.20.2.1. Theory of Operation								B	B	- -
A2.20.2.2. System Tie-In/Integration								A	B	- -
A2.20.2.3. Perform inspection								2b	-	- -
A2.20.2.4. Perform operational checks								2b	-	- -
A2.20.2.5. Troubleshoot								2b	-	- -
A2.20.3. Compass System										
A2.20.3.1. Theory of Operation								B	B	- -
A2.20.3.2. System Tie-In/Integration								A	B	- -
A2.20.3.3. Perform inspection								2b	-	- -
A2.20.3.4. Perform operational checks								2b	-	- -

COMMON TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A2.20.3.5. Troubleshoot								2b	-	-
A2.20.4. Calibration/Boresight System										
A2.20.4.1. Theory of Operation			Update With MC-2000					B	B	-
A2.20.4.2. Perform Magnetic Survey (AFTO 53A)								-	-	-
A2.20.4.3. Index Remote Compass Transmitter								-	-	-
A2.20.4.4. Optical Transfer (AFTO Form 53A, Section E)								-	-	-
A2.20.4.5. Perform Electrical Swing								-	-	-
A2.20.4.6. Make Compensation Adjustments								-	-	-
A2.20.4.7. Swing Standby Compass								-	-	-
A2.20.4.8. Boresight INUs								-	-	-
A2.20.4.9. Boresight HUDs								-	-	-
A2.20.5. Inertial Navigation System										
A2.20.5.1. Theory of Operation								A	B	-
A2.20.5.2. System Tie-In/Integration								-	A	-
A2.20.5.3. Perform inspection								-	-	-
A2.20.5.4. Perform operational checks								-	-	-
A2.20.5.5. Perform Alignment								-	-	-
A2.20.5.6. Program INU								-	-	-
A2.20.5.7. Troubleshoot								-	-	-
A2.20.6. Global Positioning System										
A2.20.6.1. Theory of Operation								A	B	-
A2.20.6.2. System Tie-In/Integration								-	A	-
A2.20.6.3. Perform inspection								-	-	-
A2.20.6.4. Perform operational checks								-	-	-

COMMON TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A2.20.6.5. Troubleshoot								-	-	-
A2.20.7. Perisopic Sextant										
A2.20.7.1. Theory of Operation								-	-	-
A2.20.7.2. System Tie-In/Integration								-	-	-
A2.20.7.3. Perform inspection								-	-	-
A2.20.7.4. Perform operational checks								-	-	-
A2.20.7.5. Troubleshoot								-	-	-
A2.21. FLIGHT INSTRUMENT SYSTEMS										
A2.21.1. Pitot Static System										
A2.21.1.1. Theory of Operation								B	B	-
A2.21.1.2. System Tie-In/Integration								a	-	-
A2.21.1.3. Perform inspection								2b	-	-
A2.21.1.4. Perform operational checks								2b	-	-
A2.21.1.5. Troubleshoot								2b	-	-
A2.21.1.6. Repair Malfunctions								-	-	-
A2.21.2. Altimeter (Barometric/Encoding)										
A2.21.2.1. Theory of Operation								B	B	-
A2.21.2.2. System Tie-In/Integration								a	-	-
A2.21.2.3. Perform inspection								2b	-	-
A2.21.2.4. Perform operational checks								2b	-	-
A2.21.2.5. Troubleshoot								2b	-	-
A2.21.3. Vertical Velocity										
A2.21.3.1. Theory of Operation								B	B	-
A2.21.3.2. System Tie-In/Integration								a	-	-

COMMON TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A2.21.3.3. Perform inspection								2b	-	-
A2.21.3.4. Perform operational checks								2b	-	-
A2.21.3.5. Troubleshoot								2b	-	-
A2.21.4. Airspeed										
A2.21.4.1. Theory of Operation								B	B	-
A2.21.4.2. System Tie-In/Integration								a	-	-
A2.21.4.3. Perform inspections								2b	-	-
A2.21.4.4. Perform operational checks								2b	-	-
A2.21.4.5. Troubleshoot								2b	-	-
A2.21.5. True Airspeed										
A2.21.5.1. Theory of Operation								B	B	-
A2.21.5.2. System Tie-In/Integration								-	-	-
A2.21.5.3. Perform inspection								-	-	-
A2.21.5.4. Perform operational checks								-	-	-
A2.21.5.5. Troubleshoot								-	-	-
A2.21.6. Mach										
A2.21.6.1. Theory of Operation								B	B	-
A2.21.6.2. System Tie-In/Integration								-	-	-
A2.21.6.3. Perform inspection								-	-	-
A2.21.6.4. Perform operational checks								-	-	-
A2.21.6.5. Troubleshoot								-	-	-
A2.21.7. Accelerometer (G-meter)										
A2.21.7.1. Theory of Operation								-	-	-
A2.21.7.2. System Tie-In/Integration								-	-	-

COMMON TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B									
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.21.7.3. Perform inspection								-	-	-	-
A2.21.7.4. Perform operational checks								-	-	-	-
A2.21.7.5. Troubleshoot								-	-	-	-
A2.21.8. Air Temperature											
A2.21.8.1. Theory of Operation								A	A	-	-
A2.21.8.2. System Tie-In/Integration								A	-	-	-
A2.21.8.3. Perform inspection								-	-	-	-
A2.21.8.4. Perform operational checks								-	-	-	-
A2.21.8.5. Troubleshoot								-	-	-	-
A2.21.9. Heads-up Display (HUD)											
A2.21.9.1. Theory of Operation			Use C-17, C-130J, HH-60					B	B	-	-
A2.21.9.2. System Tie-In/Integration								-	-	-	-
A2.21.9.3. Perform inspection								-	-	-	-
A2.21.9.4. Perform operational checks								-	-	-	-
A2.21.9.5. Troubleshoot								-	-	-	-
A2.21.10. Angle of Attack/Stall Warning											
A2.21.10.1. Theory of Operation			Use KC-10, B-1					B	B	-	-
A2.21.10.2. System Tie-In/Integration			Auto Throttle, Stall					A	-	-	-
A2.21.10.3. Perform inspection			Stick Push, Shake C-130J					-	-	-	-
A2.21.10.4. Perform operational checks								-	-	-	-
A2.21.10.5. Troubleshoot								-	-	-	-
A2.21.11. Air Data											
A2.21.11.1. Theory of Operation			Use C-5 SCADC					B	B	-	-
A2.21.11.2. System Tie-In/Integration								-	B	-	-

COMMON TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A 5	B 7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A2.21.11.3. Perform inspection								2b	-	-
A2.21.11.4. Perform operational checks								2b	-	-
A2.21.11.5. Troubleshoot								2b	-	-
A2.22. FLIGHT DATA RECORDERS										
A2.22.1. Flight Data Recording Systems										
A2.22.1.1. Theory of Operation			Use B-1					B	B	-
A2.22.1.2. System Tie-In/Integration								A	-	-
A2.22.1.3. Perform inspection								-	-	-
A2.22.1.4. Perform operational checks								-	-	-
A2.22.1.5. Troubleshoot								-	-	-
A2.22.2. Aircraft Structural Integrity Program/Life History Recorders										
A2.22.2.1. Theory of Operation								-	-	-
A2.22.2.2. System Tie-In/Integration								-	-	-
A2.22.2.3. Perform inspection								-	-	-
A2.22.2.4. Perform operational checks								-	-	-
A2.22.2.5. Troubleshoot								-	-	-
A2.23. WARNING SYSTEMS										
A2.23.1. Terrain Alert Warning Systems (TAWS/GCAS/GPWS)										
A2.23.1.1. Theory of Operation			Use C-135					B	B	-
A2.23.1.2. System Tie-In/Integration								A	-	-
A2.23.1.3. Perform inspection								-	-	-
A2.23.1.4. Perform operational checks								-	-	-
A2.23.1.5. Troubleshoot								-	-	-

COMMON TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A2.23.2. Traffic Alert and Collision Avoidance System (TCAS)										
A2.23.2.1. Theory of Operation								A	-	-
A2.23.2.2. System Tie-In/Integration								-	-	-
A2.23.2.3. Perform inspection								-	-	-
A2.23.2.4. Perform operational checks								-	-	-
A2.23.2.5. Troubleshoot								-	-	-
A2.23.3. Altitude Alerter										
A2.23.3.1. Theory of Operation								B	-	-
A2.23.3.2. System Tie-In/Integration								-	-	-
A2.23.3.3. Perform inspection								-	-	-
A2.23.3.4. Perform operational checks								-	-	-
A2.23.3.5. Troubleshoot								-	-	-
A2.23.4. Caution Advisory/Warning Systems										
A2.23.4.1. Theory of Operation			Use HH60; mention others					B	A	-
A2.23.4.2. System Tie-In/Integration								B	A	-
A2.23.4.3. Perform inspection								-	-	-
A2.23.4.4. Perform operational checks								-	-	-
A2.24.1. TEMPERATURE INDICATING SYSTEM										
A2.24.1.1. Theory of Operation								B	B	-
A2.24.1.2. System Tie-In/Integration								A	-	-
A2.24.1.3. Perform Inspection								-	-	-
A2.24.1.4. Perform operational checks								2b	-	-
A2.24.1.5. Troubleshoot								2b	-	-
A2.25. ENGINE INDICATING SYSTEMS										

COMMON TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A2.25.1. Tachometers										
A2.25.1.1. Theory of Operation								B	B	- -
A2.25.1.2. System Tie-In/Integration								A	- -	- -
A2.25.1.3. Perform inspection								2b	- -	- -
A2.25.1.4. Perform operational checks								2b	- -	- -
A2.25.1.5. Troubleshoot								2b	- -	- -
A2.25.2. Engine Pressure Ratio										
A2.25.2.1. Theory of Operation			Use TF33					B	B	- -
A2.25.2.2. System Tie-In/Integration								A	- -	- -
A2.25.2.3. Perform inspection								2b	- -	- -
A2.25.2.4. Perform operational checks								2b	- -	- -
A2.25.2.5. Troubleshoot								2b	- -	- -
A2.25.3. Pressure										
A2.25.3.1. Theory of Operation								B	B	- -
A2.25.3.2. System Tie-In/Integration								A	- -	- -
A2.25.3.3. Perform inspection								2b	- -	- -
A2.25.3.4. Perform operational checks								2b	- -	- -
A2.25.3.5. Troubleshoot								2b	- -	- -
A2.25.4. Fuel Flow										
A2.25.4.1. Theory of Operation								B	B	- -
A2.25.4.2. System Tie-In/Integration								A	- -	- -
A2.25.4.3. Perform inspection								2b	- -	- -
A2.25.4.4. Perform operational checks								2b	- -	- -
A2.25.4.5. Troubleshoot								2b	- -	- -

COMMON TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A2.25.5. Torque/Horsepower										
A2.25.5.1. Theory of Operation			Use C-130					B	B	- -
A2.25.5.2. System Tie-In/Integration								A	- -	- -
A2.25.5.3. Perform inspection								2b	- -	- -
A2.25.5.4. Perform operational checks								2b	- -	- -
A2.25.5.5. Calibrate								a	- -	- -
A2.25.5.6. Troubleshoot								- -	- -	- -
A2.26. LIQUID QUANTITY INDICATING SYSTEM										
A2.26.1. Capacitance			Use B-52 or C-135 AC and DC					B	B	- -
A2.26.1.1. Theory of Operation			Use B-52 or C-135 AC and DC					A	- -	- -
A2.26.1.2. System Tie-In/Integration								2b	- -	- -
A2.26.1.3. Perform inspection								2b	- -	- -
A2.26.1.4. Perform operational checks								2b	- -	- -
A2.26.1.5. Perform Calibration								2b	- -	- -
A2.26.1.6 Troubleshoot								2b	b	- -
A2.26.2. Resistance										
A2.26.2.1. Theory of Operation								A	A	- -
A2.26.2.2. System Tie-In/Integration								- -	- -	- -
A2.26.2.3. Perform inspection								- -	- -	- -
A2.26.2.4. Perform operational checks								- -	- -	- -
A2.26.2.5. Perform Calibration								- -	- -	- -
A2.26.2.6. Troubleshoot								- -	- -	- -
A2.27. AIRCRAFT WIRING										
A2.27.1. Kapton								A	A	- -

COMMON TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A2.27.2. Multiconductor								A	-	-
A2.27.3. Coaxial								A	B	-
A2.27.4. Triaxial								A	B	-
A2.27.5. Fiber Optics								A	A	-
A2.27.6. Perform Wire Maintenance										
A2.27.6.1. Stripping								2b	B	-
A2.27.6.2. Splicing								2b	B	-
A2.27.6.3. Bundling								2b	B	-
A2.27.6.4. Strain Relief								2b	B	-
A2.27.6.5. Nuclear hardened								A	A	-
A2.27.6.6. Twisted Pair								A	-	-
A2.27.6.7. Single Conductor								A	-	-
A2.27.6.8. Thermocouple Wiring								A	B	-
A2.27.7. Continuity checks								3c	-	-
A2.27.8. Wire Repair								-	B	-
A2.28. REMOVE/INSTALL COMMON ELECTRICAL COMPONENTS										
A2.28.1. Switches								-	-	-
A2.28.2. Relays								-	-	-
A2.28.3. Circuit Breakers/Fuses								-	-	-
A2.28.4. Remote Control Circuit Breakers								-	-	-
A2.28.5. Terminal/Modular Blocks								-	-	-
A2.28.6. Capacitors/Resistors/Diodes								-	-	-
A2.28.7. Lights/Light Bulbs								-	-	-
A2.28.8. Fans/Blowers								-	-	-

COMMON TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A2.28.9. Transformers								-	-	-
A2.29. USE TEST EQUIPMENT/SPECIAL TOOLS										
A2.29.1. LAN Analyzer								-	-	-
A2.29.2. Wire Maintenance Heat Gun (HT-900B or equivalent)								2b	A	-
A2.29.3. Fuel Quantity Test Set	*		Use PSD-60					2b	A	-
A2.29.4. Engine Indicating Test Set								-	-	-
A2.29.5. TTU-205 Test Set								2b	-	-
A2.29.6. Jet Calibrator/Analyzer								2b	-	-
A2.29.7. Tachometer Tester								-	-	-
A2.29.8. Variable Reluctance Test Set								2b	-	-
A2.29.9. Deadweight Tester								-	-	-
A2.29.10. Fuel Flow Test Set								-	-	-
A2.29.11. IFF Test Set								2b	-	-
A2.29.12. VOR/ILS Test Set								-	-	-
A2.29.13. MC-1M/2000 Compass Calibrator								-	-	-
A2.29.14. Flight Data Recording Test Set								-	-	-
A2.29.15. Laptop/Handheld Computer								-	-	-

B-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC

ATTACHMENT 3 - B-1B Training Requirements

NOTE 1: The apprentice course will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.

NOTE 2: All course requirements are trained in the 3-level resident course during wartime. The 7-level in-residence course is not taught during wartime.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items marked in columns 2A or 2B marked with a */R are optional core tasks for ANG and AFRC.

NOTE 5: Items coded in column 4A will be trained using B-1 aircraft/systems. If B-1 aircraft/systems are unavailable, representative systems from other aircraft may be used.

NOTE 6: Address comments or recommended changes through the MAJCOM Functional Manager to the AETC Training Manager, at DSN 736-7891.

A3.1. GENERAL ORGANIZATIONAL MAINTENANCE TR: Applicable aircraft –1 and –2 technical orders										
A3.1.1. Aircraft Familiarization										
A3.1.1.1. Major Structural Areas								-	-	-
A3.1.1.2. Major Systems								-	-	-
A3.1.1.3. Danger Areas								-	-	-
A3.1.2. Technical Order Familiarization								-	-	-
A3.1.3. Debrief Aircrews								-	-	-
A3.2. GENERAL MAINTENANCE TASKS										
A3.2.1. Ground Handling										
A3.2.1.1. Perform Aircraft Safe For Maintenance	*							-	-	-
A3.2.1.2. Apply External Air Conditioning	*							-	-	-
A3.2.1.3. Apply External Power	*							-	-	-
A3.2.1.4. Apply Hydraulic Power								-	-	-
A3.2.1.5. Central Aircraft Support System (CASS)								-	-	-
A3.2.1.6. Launch and Recover Aircraft								-	-	-
A3.2.1.7. Perform Aircraft Marshaling Procedures								-	-	-

B-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.2.1.8. Operate A/C Auxiliary Power Units (APUs)								-	-	-	-
A3.2.1.9. Service APU Task 12-32-02								-	-	-	-
A3.2.1.10. Service Integrated Drive Gearbox Task12-32-03								-	-	-	-
A3.2.1.11. Service Accessory Drive Gearbox Task 12-32-04								-	-	-	-
A3.2.1.12. Fire Guard								-	-	-	-
A3.2.2. Refuel/Defuel											
A3.2.2.1. Refuel Panel Operator Task 12-11-01								-	-	-	-
A3.2.2.2. Refuel Team Member Task 12-11-01								-	-	-	-
A3.2.2.3. Defuel Panel Operator								-	-	-	-
A3.2.2.4. Defuel Team Member								-	-	-	-
A3.2.3. Tow Team Operator											
A3.2.3.1 Brake Operator								-	-	-	-
A3.2.3.2. Wing Walker								-	-	-	-
A3.2.3.3. Tail Walker								-	-	-	-
A3.2.4. Aircraft Wash TR: 1-1-1								-	-	-	-
A3.2.5. Jack Team Member Task 05-81-01								-	-	-	-
A3.2.6. Weapons Bay Door Operation											
A3.2.6.1. Weapons Bay Door Operation (Power On) Task: 05-53-01								-	-	-	-
A3.2.6.2. Weapons Bay Door Operation (Power Off) Task: 05-53-01								-	-	-	-
A3.2.7. Stair Ladder Exterior											
A3.2.7.1. Stair Ladder-Exterior Electric Extension and Retraction								-	-	-	-
A3.2.7.2. Stair Ladder-Exterior Manual Extension and Retraction								-	-	-	-

B-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A3.2.8. Use Ground Intercommunications								-	-	-
A3.2.9. Main Landing Gear Doors, Opening/Closing								-	-	-
A3.2.10. Open and Close Panels								-	-	-
A3.2.11. Open and Close Engine Cowlings								-	-	-
A3.2.12. Forward Crew Station Rig Pins Installation/Removal								-	-	-
A3.3. FLIGHT CONTROL SYSTEMS										
A3.3.1. General Flight Controls										
A3.3.1.1. Theory of Operation Primary Flight Controls TR: 1B-1B-2-27GS-00-1								B	B	-
A3.3.1.2. Theory of Operation Secondary Flight Controls TR: 1B-1B-2-27GS-00-1								-	-	-
A3.3.1.3. Perform Ground Readiness Tests (GRTs)										
A3.3.1.3.1. Pitch SCAS TR: 1B-1B-2-40JG-27-1, 40GRT-27-05								-	-	-
A3.3.1.3.2. Roll SCAS TR: 1B-1B-2-40JG-27-1, 40GRT-27-10								-	-	-
A3.3.1.3.3. Yaw SCAS TR: 1B-1B-2-40JG-27-1, 40GRT-27-15								-	-	-
A3.3.1.3.4. Wing Sweep TR: 1B-1B-2-40JG-27-1, 40GRT-27-20	*							-	-	-
A3.3.1.3.5. Flap/Slat TR: 1B-1B-2-40JG-27-1, 40GRT-27-25	*							-	-	-
A3.3.1.3.6. Spoiler TR: 1B-1B-2-40JG-27-1, 40GRT-27-30								-	-	-
A3.3.1.3.7. Over wing Fairing TR: 1B-1B-2-40JG-27-1, 40GRT-27-35								-	-	-
A3.3.1.3.8. SEF TR: 1B-1B-2-40JG-27-1, 40GRT-27-40								-	-	-
A3.3.1.4. Perform operational checks										
A3.3.1.4.1. Roll Control TR: 1B-1B-2-27JG-10-1, 27-10-01								-	-	-

B-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A3.3.1.4.2. Yaw Control TR: 1B-1B-2-27JG-20-1, 27-20-01								-	-	-
A3.3.1.4.3. Pitch Control TR: 1B-1B-2-27JG-30-1, 27-30-01								-	-	-
A3.3.1.4.4. Linkage Shaker Motor operational check TR: 1B-1B-2-27JG-30-3, 27-34-11-1								-	-	-
A3.3.1.4.5. Control Stick Grip TR: 1B-1B-2-27JG-30-03, 27-36-11-1								-	-	-
A3.3.1.4.6. Hinge Movement Limiting TR: 1B-1B-2-27JG-40-1, 27-42-01								-	-	-
A3.3.1.4.7. Wing Sweep TR: 1B-1B-2-27JG-80-1, 27-81-01								-	-	-
A3.3.1.4.8. Alternate Wing Sweep TR: 1B-1B-2-27JG-80-1, 27-81-04	*							-	-	-
A3.3.1.4.9. Flap/Slat TR: 1B-1B-2-27JG-80-4, 27-82-01								-	-	-
A3.3.1.4.10. Pitch Trim Actuator TR: 1B-1B-2-27JG-30-3, 27-36-10-1								-	-	-
A3.3.1.4.11. Horizontal Stabilizer Roll Trim Actuator TR: 1B-1B-2-27JG-10-4, 27-18-10-1								-	-	-
A3.3.1.4.12. Speed brake/Spoiler Roll Trim Actuator TR: 1B-1B-2-27JG-10-4, 27-18-11-1								-	-	-
A3.3.1.4.13. Yaw Trim TR: 1B-1B-2-27JG-20-3, 27-25-10-1								-	-	-
A3.3.1.5. Perform component checks										
A3.3.1.5.14. Speed Brake Command TR: 1B-1B-2-76JG-10-1, 76-11-02								-	-	-
A3.3.1.5.15. Flight Control Trim Panel TR: 1B-1B-2-27JG-20-3, 27-25-11-1								-	-	-
A3.3.1.5.16. Alternate Throttle/Flight Control Auxiliary Panel TR: 1B-1B-2-27JG-20-3, 27-25-12-1								-	-	-
A3.3.1.5.17. Flight Control Power Panel TR: 1B-1B-2-27JG-20-3, 27-25-13-1								-	-	-
A3.3.1.5.18. Horizontal Stabilizer Rate Transducer TR: 1B-1B-2-27JG-40-2, 27-42-16-5								-	-	-

B-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A3.3.1.6. Remove and install (R&I)										
A3.3.1.6.1. Spoiler Electromechanical Actuator TR: 1B-1B-2-27JG-10-3, 27-14-10-2 , -3								-	-	-
A3.3.1.6.2. Spoiler Controller TR: 1B-1B-2-27JG-10-3, 27-14-11-2 -3								-	-	-
A3.3.1.6.3. Flight Control Trim Panel TR: 1B-1B-2-27JG-20-3, 27-25-11-2, -3								-	-	-
A3.3.1.6.4. Alternate Throttle/Flight Control Auxiliary Panel TR: 1B-1B-2-27JG-20-3, 27-25-12-2, -3								-	-	-
A3.3.1.6.5. Flight Control Power Panel TR: 1B-1B-2-27JG-30-3, 27-25-13-2, -3	*							-	-	-
A3.3.1.6.6. Yaw Trim Proximity Switch TR: 1B-1B-2-27JG-20-3, 27-25-14-2, -3								-	-	-
A3.3.1.6.7. Control Stick Grip TR: 1B-1B-2-27JG-30-3, 27-36-11-2, -3								-	-	-
A3.3.1.6.8. Pitch/Roll/Yaw SCAS Controller TR: 1B-1B-2-27JG-40-1, 27-41-10-2, -3	*							-	-	-
A3.3.1.6.9. Hinge Movement Limiter/Over wing Fairing Controller TR: 1B-1B-2-27JG-40-2, 27-42-10-2 , -3								-	-	-
A3.3.1.6.10. Roll Rate Gyro TR: 1B-1B-2-27JG-40-2, 27-42-11-2, -3								-	-	-
A3.3.1.6.11. Roll SCAS Stick Transducer TR: 1B-1B-2-27JG-40-2, 27-42-15-2, -3								-	-	-
A3.3.1.6.12. Horizontal Stabilizer Rate Transducer TR: 1B-1B-2-27JG-40-2, 27-42-16-2, -3								-	-	-
A3.3.1.6.13. Yaw Sensor TR: 1B-1B-2-27JG-40-2, 27-42-10-2, -3	*							-	-	-
A3.3.1.6.14. Yaw SCAS Pedal Transducer TR: 1B-1B-2-27JG-40-4, 27-42-14-2, -3								-	-	-
A3.3.1.6.15. Yaw SCAS Common Feedback Transducer TR: 1B-1B-2-27JG-40-4, 27-42-15-2, -3								-	-	-
A3.3.1.6.16. Pitch Rate Gyro TR: 1B-1B-2-27JG-40-4, 27-44-10-2, -3								-	-	-
A3.3.1.6.17. Pitch Accelerometer TR: 1B-1B-2-27JG-40-4, 27-44-12-2, -3								-	-	-

B-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.3.1.6.18. Pitch SCAS Stick Transducer TR: 1B-1B-2-27JG-40-4, 27-44-13-2, -3								-	-	-	-
A3.3.1.6.19. Slat Switch TR: 1B-1B-2-27JG-40-4, 27-44-14-2, -3								-	-	-	-
A3.3.1.6.20. Proximity Switch Electronic Package TR: 1B-1B-2-27JG-60-1, 27-61-10-2, -3								-	-	-	-
A3.3.1.6.21. Over wing Fairing Ground Maintenance Switch Panel TR: 1B-1B-2-27JG-60-1, 27-61-11-2, -3								-	-	-	-
A3.3.1.6.22. Over wing Fairing Double Rotary Transducer TR: 1B-1B-2-27JG-60-1, 27-61-15-2, -3								-	-	-	-
A3.3.1.6.23. Proximity Sensor TR: 1B-1B-2-27JG-60-1, 27-61-16-2, -3								-	-	-	-
A3.3.1.6.24. Flap/Slat Controller TR: 1B-1B-2-27JG-80-7, 27-83-10-2, -3								-	-	-	-
A3.3.1.6.25. Flap/Slat PDU Synchro								-	-	-	-
A3.3.1.7. Adjust/Align											
A3.3.1.7.1. SCAS Controller TR: 1B-1B-2-27JG-40-1, 27-41-10-5	*							-	-	-	-
A3.3.1.7.2. Spoiler Controller TR: 1B-1B-2-27JG-10-3, 27-14-11-5								-	-	-	-
A3.3.1.7.3. Flap/Slat Controller TR: 1B-1B-2-27JG-80-7, 27-83-10-5								-	-	-	-
A3.3.1.7.4. Hinge Moment Limiting/Over wing Fairing Controller TR: 1B-1B-2-27JG-40-2, 27-42-10-5	*							-	-	-	-
A3.3.1.7.5. Slat Switches TR: 1B-1B-2-27JG-40-4, 27-44-14-5								-	-	-	-
A3.3.1.7.6. SCAS Stick/Pedal Position Transducers TR: 1B-1B-2-27JG-40-2, 27-42-15-5 1B-1B-2-27JG-40-4, 27-44-13-5								-	-	-	-
A3.3.1.7.7. Yaw Common Feedback Transducer TR: 1B-1B-2-27JG-40-4, 27-43-15-5								-	-	-	-
A3.3.1.7.8. Yaw Limiter Actuator TR: 1B-1B-2-27JG-20-3, 27-24-10-5								-	-	-	-
A3.3.1.7.9. Yaw Trim Proximity Switch TR: 1B-1B-2-27JG-20-3, 27-25-14-5								-	-	-	-

B-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.3.1.7.10. Pitch/Roll/Yaw SCAS Surface Positioning TR: 1B-1B-2-27JG-40-1, 27-40-02								-	-	-	-
A3.3.1.7.11. Flap/Slat Asymmetry Task 27-83-16								-	-	-	-
A3.3.1.8. Troubleshoot TR: 1B-1B-2-27GS-00-1, -27WD-00-1											
A3.3.1.8.1. Roll Control – Outboard Spoilers (SSN 27-14-00)	*							-	-	-	-
A3.3.1.8.2. Roll Trim (SSN 27-18-00)	*							-	-	-	-
A3.3.1.8.3. Yaw Limiter (SSN 27-24-00)	*							-	-	-	-
A3.3.1.8.4. Yaw Trim (SSN 27-25-00)	*							-	-	-	-
A3.3.1.8.5. Linkage Shakers (SSN 27-34-00)	*							-	-	-	-
A3.3.1.8.6. Pitch Trim (SSN 27-36-00)	*							-	-	-	-
A3.3.1.8.7. Augmented Flight Control (SCAS) (SSNs 27-41, 42, 43, 44-00)	*							-	-	-	-
A3.3.1.8.8. Over wing Fairing (SSN 27-61-00)	*							-	-	-	-
A3.3.1.8.9. Speed brakes (SSN 27-62-00)	*							-	-	-	-
A3.3.1.8.10. Wing sweep (SSN 27-81-00)	*							-	-	-	-
A3.3.1.8.11. Flap/Slat Mechanical and Control (SSN 27-82, 83-00)	*							-	-	-	-
A3.3.2. Surface Position Measuring System											
A3.3.2.1. Theory of Operation TR: 1B-1B-2-27GS-00-1								-	-	-	-
A3.3.2.2. Perform operational checks TR: 1B-1B-2-27JG-90-1, -2											
A3.3.2.2.1. Wing Sweep Command Position Sensor Components (Task 27-91-10-1)								-	-	-	-
A3.3.2.2.2. Left Wing Sweep Position Sensor Components (Task 27-91-11-1)								-	-	-	-
A3.3.2.2.3. Upper Rudder Position Sensor (Task 27-91-13-1)								-	-	-	-

B-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A3.3.2.2.4. Wing Sweep Transformer (Task 27-91-15-1)								-	-	-
A3.3.2.2.5. Spoiler Position Switch (Task 27-91-16-1)								-	-	-
A3.3.2.2.6. Spoiler Position Sensor (Tasks 27-95-10-1, 27-96-11-1)								-	-	-
A3.3.2.2.7. Right Wing Sweep Position Sensor (Task 27-96-12-1)								-	-	-
A3.3.2.2.8. Lower Rudder Position Sensor (Task 27-96-14-1)								-	-	-
A3.3.2.2.9. Hydraulic Pressure Transducer Excitation Power Supply Components (Task 27-97-10-1)								-	-	-
A3.3.2.2.10. Horizontal Stabilizer Position Sensor Components (Task 27-91-12-1)								-	-	-
A3.3.2.2.11. Surface Position/Command Indicator Components (Task 27-91-14-1)								-	-	-
A3.3.2.2.12. Left Flap/Slat Rotary Variable Differential Transducer Components (Task 27-96-13-1)								-	-	-
A3.3.2.2.13. Right Flap/Slat Rotary Variable Differential Transducer Components (Task 27-96-15-1)								-	-	-
A3.3.2.3. Remove and install (R&I) TR: 1B-1B-2-27JG-90-1, -2										
A3.3.2.3.1. Surface Position Command Indicator (Tasks 27-91-14-2, -3)								-	-	-
A3.3.2.3.2. Surface Position Signal Conditioning Unit (Tasks 27-95-12-2, -3, 27-96-10-2, -3)								-	-	-
A3.3.2.3.3. Wing Sweep Command Position Sensor (Tasks 27-91-10-2,-3)								-	-	-
A3.3.2.3.4. Left Wing Sweep Position Sensor (Tasks 27-91-11-2, -3)								-	-	-
A3.3.2.3.5. Horizontal Stabilizer Position Sensor (Tasks 27-91-12-2, -3; 27-95-11-2, -3)								-	-	-
A3.3.2.3.6. Upper Rudder Position Sensor (Tasks 27-91-13-2, -3)								-	-	-

B-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.3.2.3.7. Wing Sweep Transformer (Tasks 27-91-15-2, -3)								-	-	-	-
A3.3.2.3.8. Spoiler Position Switch (Tasks 27-91-16-2, -3)								-	-	-	-
A3.3.2.3.9. Spoiler Position Sensor (Tasks 27-95-10-2, -3; 27-96-11-2, -3)								-	-	-	-
A3.3.2.3.10. Right Wing Sweep Position Sensor (Tasks 27-96-12-2, -3)								-	-	-	-
A3.3.2.3.11. Lower Rudder Position Sensor (Tasks 27-96-14-2, -3)								-	-	-	-
A3.3.2.3.12. Hydraulic Pressure Transducer Excitation Power Supply (Tasks 27-97-10-2, -3)								-	-	-	-
A3.3.2.3.13. Flap Surface Position Synchro Transmitter (Task 27-91-17-2, -3)								-	-	-	-
A3.3.2.3.14. Left Flap/Slat Rotary Variable Differential Transducer (Task 27-95-13-2, -3)								-	-	-	-
A3.3.2.3.15. Right Flap/Slat Rotary Variable Differential Transducer (Task 27-96-15-2, -3)								-	-	-	-
A3.3.2.4. Adjust TR: 1B-1B-2-27JG-90-1, -2											
A3.3.2.4.1. Wing Sweep Command Position Sensor (Task 27-91-10-5)								-	-	-	-
A3.3.2.4.2. Left Wing Sweep Position Sensor (Task 27-91-11-5)								-	-	-	-
A3.3.2.4.3. Horizontal Stabilizer Position Sensor (Tasks 27-91-12-5, 27-95-11-5)								-	-	-	-
A3.3.2.4.4. Upper Rudder Position Sensor (Task 27-91-13-5)								-	-	-	-
A3.3.2.4.5. Spoiler Position Switch (Task 27-91-16-5)								-	-	-	-
A3.3.2.4.6. Spoiler Position Sensor (Tasks 27-95-10-5; 27-96-11-5)								-	-	-	-
A3.3.2.4.7. Right Wing Sweep Position Sensor (Task 27-96-12-5)								-	-	-	-
A3.3.2.4.8. Lower Rudder Position Sensor (Task 27-96-14-5)								-	-	-	-

B-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.3.2.4.9. Flap Surface Position Synchro Transmitter (Task 27-91-17-5)								-	-	-	-
A3.3.2.4.10. Left Flap/Slat Rotary Variable Differential Transducer (Task 27-95-13-5)								-	-	-	-
A3.3.2.4.11. Right Flap/Slat Rotary Variable Differential Transducer (Task 27-96-15-5)								-	-	-	-
A3.3.2.5. Troubleshoot TR: 1B-1B-2-27GS-00-1, 1B-1B-2-27WD-00-1		*						-	-	-	-
A3.3.3. Automatic Flight Control System											
A3.3.3.1. Theory of Operation TR: 1B-1B-2-22GS-00-1											
A3.3.3.1.1. SEF DC Power Source TR: 1B-1B-2-24GS-00-2								-	-	-	-
A3.3.3.1.2. SEF AC Power Source TR: 1B-1B-2-24GS-00-2								-	-	-	-
A3.3.3.2. Perform Ground Readiness Tests (GRT)											
A3.3.3.2.1. AFCS GRT TR: 1B-1B-2-40JG-22-1, 40GRT-22-11								-	-	-	-
A3.3.3.2.2. AFCS TF GRT TR: 1B-1B-2-40JG-1, 40GRT-22-13								-	-	-	-
A3.3.3.2.3. SMCS GRT TR: 1B-1B-2-40JG-22-1, 40GRT-22-21								-	-	-	-
A3.3.3.2.4. Proximity Logic GRT TR: 1B-1B-2-40JG-39-1, 40GRT-39-05								-	-	-	-
A3.3.3.3. Perform operational check											
A3.3.3.3.1. AFCS operational check TR: 1B-1B-2-22JG-10-1, 22-10-02-3	*							-	-	-	-
A3.3.3.3.2. Manual TF operational check TR: 1B-1B-2-22JG-10-1, 22-10-02-4	*							-	-	-	-
A3.3.3.3.3. SIS/SEF Ground Check TR: 1B-1B-2-27JG-30-1, 27-30-05	*							-	-	-	-
A3.3.3.3.4. Autothrottle Disconnect Switch Component check TR: 1B-1B-2-76JG-10-1, 76-11-03								-	-	-	-
A3.3.3.4. Remove and install (R&I)											

B-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.3.3.4.1. AFCS Trim Controller TR: 1B-1B-2-22JG-10-1, 22-11-10-2, -3								-	-	-	-
A3.3.3.4.2. AFCS Logic/SMCS Controller TR: 1B-1B-2-22JG-10-1, 22-12-10-2, -3								-	-	-	-
A3.3.3.4.3. AFCS Panel TR: 1B-1B-2-22JG-10-1, 22-12-11-2, -3								-	-	-	-
A3.3.3.4.4. Terrain Following Adapters TR: 1B-1B-2-22JG-10-1, 22-13-10-2, -3								-	-	-	-
A3.3.3.4.5. Proximity Switch Electronics Package TR: 1B-1B-2-22JG-20-1, 22-21-10-2, -3								-	-	-	-
A3.3.3.4.6. Manual Terrain Following Feedback Accelerometers TR: 1B-1B-2-22JG-10-1, 22-13-11-2, -3								-	-	-	-
A3.3.3.4.7. SMCS Accelerometers TR: 1B-1B-2-22JG-20-1, 22-21-12-2, -3								-	-	-	-
A3.3.3.5. Adjust/Align AFCS Logic/SMCS Controller TR: 1B-1B-2-22JG-10-1, 22-12-10-5								-	-	-	-
A3.3.3.6. Troubleshoot Autoflight TR: 1B-1B-2-22GS-00-1, 22WD-00-1, 24GS-00-2											
A3.3.3.6.1. AFCS	*							-	-	-	-
A3.3.3.6.2. Automatic TF	*							-	-	-	-
A3.3.3.6.3. SIS/SEF	*							-	-	-	-
A3.3.3.6.4. SMCS	*							-	-	-	-
A3.3.3.6.5. SEF DC Power Source								-	-	-	-
A3.3.3.6.6. SEF AC Power Source								-	-	-	-
A3.4. GENERAL COMPUTER COMPLEX											
A3.4.1. Central Integrated Test Set (CITS)											
A3.4.1.1. Purpose and Interface TR: 1B-1B-2-46GS-00-1								-	-	-	-
A3.4.1.2. Use Printer Tapes TR: 1B-1B-2-46GS-00-1								-	-	-	-
A3.4.1.3. Perform Computer Memory Load TR: 1B-1B-2-46JG-30-1	*							-	-	-	-

B-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A 5	B 7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A3.4.1.4. Load CITS Airborne Printer with Tape								-	-	-
A3.4.2. Remove and install (R&I) TR: 1B-1B-2-46JG-10, -20, 30, -40										
A3.4.2.1. CITS Control and Display Panel (CCD) Task 46-11-10								-	-	-
A3.4.2.2. Data Acquisition Unit (DAU) Task 46-21-10								-	-	-
A3.4.2.3. Data Conversion Unit (DCU) Task 46-27-10								-	-	-
A3.4.2.4. Data Link Terminal (DLT) Task 46-26-10								-	-	-
A3.4.2.5. CITS Transformer Task 46-31-11								-	-	-
A3.4.2.6. CITS Digital Computer Task 46-31-10								-	-	-
A3.4.2.7. CITS Maintenance Recorder (CMR)										
A3.4.2.7.1. Recorder Control Unit Task 46-41-10								-	-	-
A3.4.2.7.2. Recorder Mounting Unit Task 46-41-11								-	-	-
A3.4.2.7.3. Recorder Transformer Task 46-41-13								-	-	-
A3.4.2.7.4. Magnetic Tape Transport Task 46-41-12								-	-	-
A3.4.2.7.5. CITS Airborne Printer (AP) Task 46-41-14								-	-	-
A3.4.2.8. Troubleshoot TR: 1B-1B-2-40JG-46-1, -46GS-00-1, -46WD-00-1								-	-	-
A3.4.3. Avionics Control Unit Complex (ACUC)										
A3.4.3.1. System Tie and Integration TR: 1B-1B-2-34GS-00-2								-	-	-
A3.4.3.2. Operate ACUC TR: 1B-1B-2-34JG-60-2	*							-	-	-
A3.5. GENERAL NAVIGATION SYSTEMS										
A3.5.1. Attitude and Heading Systems										

B-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A3.5.1.1. Theory of Operation										
A3.5.1.1.1. Gyro Stabilization System TR: 1B-1B-2-34GS-00-1, -2								-	-	-
A3.5.1.2. Perform GSS Ground Readiness Tests TR: 1B-1B-2-40JG-34-1, 40GRT-34, -27								-	-	-
A3.5.1.3. Perform Gyro Stabilization operational check TR: 1B-1B-2-34JG-20-3, 34-27-02								-	-	-
A3.5.1.4. Remove and install (R&I)										
A3.5.1.4.1. Electronic Control Amplifier/ Compensator TR: 1B-1B-2-34JG-20-3, 34-27-10-2, -3								-	-	-
A3.5.1.4.2. Compass Control Unit TR: 1B-1B-2-34JG-20-3, 34-27-11-2, -3								-	-	-
A3.5.1.4.3. Magnetic Azimuth Detector TR: 1B-1B-2-34JG-20-3, 34-27-12-2, -3								-	-	-
A3.5.1.4.4. Gyro Reference Unit TR: 1B-1B-2-34JG-20-3								-	-	-
A3.5.1.5. Adjust/Align										
A3.5.1.5.1. Gyro Stabilization Compass Calibration TR: 1B-1B-2-34JG-20-3, 34-27-01								-	-	-
A3.5.1.5.2. Gyro Reference Unit Mount TR: 1B-1B-2-34JG-20-3, 34-27-13-5								-	-	-
A3.5.1.5.3. Inertial Navigation TR: 1B-1B-2-34JG-40-1, 34-41-01								-	-	-
A3.5.1.6. Troubleshoot TR: 1B-1B-2-34GS-00-1, -2, -34WD-00-1	*							-	-	-
A3.6. FLIGHT DIRECTOR COMPUTER/ MONITOR SYSTEM										
A3.6.1. Theory of Operation TR: 1B-1B-2-34GS-00-1, -2								-	-	-
A3.6.2. Perform Ground Readiness Test (GRT) TR: 1B-1B-2-40JG-34-1, -3										
A3.6.2.1. Flight Director Computer Task 40GRT-34-21								-	-	-
A3.6.2.2. Flight Instrument interface Task 40GRT-34-69	*							-	-	-

B-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.6.2.3. Flight Instrument Signal Converter (FISC) flight director Panel interface Task 40GRT-34-70,71								-	-	-	-
A3.6.2.4. Flight Instrument Signal Converter (FISC) AFSC mode interface Task 40GRT-34-72, 73								-	-	-	-
A3.6.3. Perform operational check TR: 1B-1B-2-34JG-10-1, -20-1, -20-2											
A3.6.3.1. Flight Director Computer Tasks 34-21-10-1; 34-22-10-1								-	-	-	-
A3.6.3.2. Horizontal Situation Indicator Transformer Task 34-23-11-1								-	-	-	-
A3.6.3.3. Attitude Director Indicator Task 34-24-01								-	-	-	-
A3.6.3.4. Rate of Turn Gyro (Task 34-24-10)								-	-	-	-
A3.6.3.5. AFT Attitude Indicator Task 34-26-10-01								-	-	-	-
A3.6.3.6. 28-volt DC Transformer Rectifier Task 34-26-13-1								-	-	-	-
A3.6.3.7. AFT Instruments Transformer Task 34-26-14-1								-	-	-	-
A3.6.4. Remove and install (R&I) TR: 1B-1B-2-34JG-20-1, -20-3, -60-2											
A3.6.4.1. Horizontal Situation Indicator Tasks 34-23-10-2, -3; 34-26-12-2, -3								-	-	-	-
A3.6.4.2. Flight Director Computer (FDC) Tasks 34-21-10-2, -3; 34-22-10-2, -3								-	-	-	-
A3.6.4.3. Flight Instrument Signal Converter (FISC) Tasks 34-66-10-2, -3; 34-68-10-2, -3								-	-	-	-
A3.6.4.4. Flight director system transformers Tasks 34-23-10-2, -3; 34-23-11-2, -3; 34-26-13-2, -3; 34-26-14-2, -3								-	-	-	-
A3.6.4.5. Attitude Indicators Tasks 34-24-11-2, -3; 34-26-10-2, -3								-	-	-	-
A3.6.4.6. Rate of Turn Gyro Tasks 34-24-10-2, -3								-	-	-	-
A3.6.4.7. Flight Director Computer Control Panel Tasks 34-25-10-2, -3								-	-	-	-

B-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.6.5. Troubleshoot TR: 1B-1B-2-34GS-00-1, -2, 1B-1B-2-34WD-00-1	*							-	-	-	-
A3.7. FLIGHT INSTRUMENTS											
A3.7.1. Standby Instruments											
A3.7.1.1. Theory of Operation TR: 1B-1B-2-34GS-00-2								-	-	-	-
A3.7.2. Perform check TR: 1B-1B-2-34JG series											
A3.7.2.1. Standby Airspeed Indicator and Standby Altimeter TR: 1B-1B-2-34JG-10-3	*							-	-	-	-
A3.7.2.2. Standby Attitude Indicator (Task 34-24-11-1)								-	-	-	-
A3.7.3. Remove and install (R&I)											
A3.7.3.1. Standby Airspeed Indicator TR: 1B-1B-2-34JG-10-3								-	-	-	-
A3.7.3.2. Standby Attitude Indicator Task 34-24-11-2,-3								-	-	-	-
A3.7.3.3. Standby Altimeter TR: 1B-1B-2-34JG-10-3								-	-	-	-
A3.7.3.4. Magnetic Compass TR: 1B-1B-2-34JG-10-3								-	-	-	-
A3.7.4. Adjust/Calibrate TR: 1B-1B-2-34JG-10-3											
A3.7.4.1. Magnetic Compass								-	-	-	-
A3.7.4.2. Standby Altimeter								-	-	-	-
A3.7.5. Troubleshoot TR: 1B-1B-2-34GS-00-1, 34WD-00-1	*							-	-	-	-
A3.8. AIR DATA SYSTEMS											
A3.8.1. Theory of Operation TR: 1B-1B-2-34GS-00-1, -2								-	-	-	-
A3.8.2. Inspect TR: TO 1B-1B-2-34JG-10-2											
A3.8.2.1. Total Air Temperature Probe								-	-	-	-

B-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A3.8.2.2. Pneumatic Pressure Lines								-	-	-
A3.8.2.3. Drain Bottles								-	-	-
A3.8.2.4. Pitot Static Probes Task 34-14-6								-	-	-
A3.8.3. Perform Central Air Data Ground Readiness Test (GRT) TR: 1B-1B-2-40JG-34-1								-	-	-
A3.8.4. Perform operational check										
A3.8.4.1. Pitot Heat System TR: 1B-1B-2-34JG								-	-	-
A3.8.4.2. Central Air Data Computer (CADC) Self Test (Tasks 34-14-11-1; 34-15-13-1)								-	-	-
A3.8.4.3. Central Air Data Computer System Test (Tasks 34-14-01; 34-15-01)	*							-	-	-
A3.8.4.4. Central Air Data Computer Program Load (Task 34-14-00)								-	-	-
A3.8.4.5. Vertical Scale Indicator (Task 34-11-01)								-	-	-
A3.8.4.6. Flight Parameter Indicator (Task 34-26-11-11-1)								-	-	-
A3.8.4.7. Flight Instrument Test and Modes Panel (Task 34-61-01)								-	-	-
A3.8.5. Remove and install (R&I)										
A3.8.5.1. Total Temperature Indicator (Tasks 34-13-10-2, -3)								-	-	-
A3.8.5.2. Airspeed Mach Indicator (Tasks 34-11-13-2, -3; 34-12-12-2, -3)								-	-	-
A3.8.5.3. Altitude Vertical Velocity Indicator (Tasks 34-11-12-2, -3; 34-12-11-2, -3)								-	-	-
A3.8.5.4. Flight Parameter Indicator (Tasks 34-26-1-2, -3)								-	-	-
A3.8.5.5. Ground Speed/True Airspeed Indicator (Tasks 34-11-11-2, -3)								-	-	-
A3.8.5.6. Central Air Data Computer (CADC) (Tasks 34-14-11-2, -3; 34-15-13-2, -3)								-	-	-
A3.8.5.7. Total Air Temperature Probe (Tasks 34-13-11-2, -3)								-	-	-

B-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A3.8.5.8. Air Data Transducers (Tasks 34-14-12-2, -3; 34-15-12-2, -3)								-	-	-
A3.8.5.9. Angle of Attack Indexers (Tasks 34-14-10-2, -3; 34-15-11-2, -3)								-	-	-
A3.8.5.10. Flight Instrument Test/Mode Panel (Tasks 34-61-10-2, -3)								-	-	-
A3.8.5.11. Remote Accelerometer (Tasks 34-11-10-2, -3; 34-12-10-2, -3)								-	-	-
A3.8.5.12. Pitot Static System Drain (Tasks 34-14-13-2, -3; 34-15-10-2, -3)								-	-	-
A3.8.5.13. Pitot Static Angle of Attack Probe (Tasks 34-14-14-2, -3; 34-14-15-2, -3; 34-15-14-2, -3; 34-15-15-2, -3)								-	-	-
A3.8.6. Adjust Pitot Static Angle of Attack Probe mount (Task 34-14-14-5) TR: 1B-1B-2-34JG-10-2								-	-	-
A3.8.7. Troubleshoot TR: 1B-1B-2-34GS-00-1, -2, -34WD-00-1		*						-	-	-
A3.9. DATA RECORDERS										
A3.9.1. Theory of Operation TR: 1B-1B-2-31GS-00-1								-	-	-
A3.9.2. Perform indicating/recording system operational check TR: 1B-1B-2-31JG-30-1								-	-	-
A3.9.3. Strain Gauge operational Check (Task 31-30-06)								-	-	-
A3.9.4. Accelerometer Component check (Task 31-32-10-1)								-	-	-
A3.9.5. Remove and install (R&I) TR: 1B-1B-2-31JG-30-1										
A3.9.5.1. Vertical, Lateral and Longitudinal Accelerometer (Tasks 31-32-10-2, -3)								-	-	-
A3.9.5.2. Structural Data Collector (Tasks 31-32-11-2, -3)								-	-	-
A3.9.5.3. Strain Gage Exchange (Tasks 31-30-03; -04; -05)								-	-	-
A3.9.6. Troubleshoot TR: 1B-1B-2-31GS-00-1, 1B-1B-2- -31WD-00-1		*						-	-	-

B-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A3.10. WARNING SYSTEMS										
A3.10.1. Caution Panels										
A3.10.1.1. Theory of Operation TR: 1B-1B-2-33GS-00-1								-	-	-
A3.10.1.2. Perform Annunciator Lighting checkout TR: 1B-1B-2-33JG-10-2	*							-	-	-
A3.10.2. Remove and install (R&I) TR: 1B-1B-2-33JG-10-2, -20-1, -20, -2										
A3.10.2.1. Pilot and Copilot Annunciator Panels Task 33-13-12								-	-	-
A3.10.2.2. Auxiliary Caution Panel Task 33-13-11								-	-	-
A3.10.2.3. Main Caution Panel Task 33-13-10	*							-	-	-
A3.10.2.4. OSO & DSO Annunciator Panels Task 33-23-11								-	-	-
A3.10.3. Troubleshoot TR: 1B-1B-2-33GS-00-1, 1B-1B-2-31WD-00-1								-	-	-
A3.11. ENGINE INDICATING SYSTEMS										
A3.11.1. Theory of Operation TR: 1B-1B-2-77GS-00-1								-	-	-
A3.11.2. Perform Engine Indicating Ground Readiness Test (GRT)								-	-	-
A3.11.3. Perform operational check										
A3.11.3.1. Engine Indicating System TR: 1B-1B-2-77JG-00-1, 77-00-01	*							-	-	-
A3.11.3.2. Annunciator Light operational Check TR: 1B-1B-2-77JG-00-1, 77-00-02								-	-	-
A3.11.4. Remove and install (R&I)										
A3.11.4.1. Power Level Indicator TR: 1B-1B-2-77JG-10-1, 77-11-10-2, -3								-	-	-
A3.11.4.2. Fan RPM Indicator TR: 1B-1B-2-77JG-10-1, 77-12-10-2, -3								-	-	-
A3.11.4.3. Nozzle Position/Core RPM Indicator TR: 1B-1B-2-77JG-13-1, 77-13-10-2, -3								-	-	-

B-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.11.4.4. Engine Temperature Indicator TR: 1B-1B-2-77JG-20-1, 77-21-10-2, -3								-	-	-	-
A3.11.4.5. Signal Conditioning and Distribution Unit TR: 1B-1B-2-77JG-30-1, 77-31-11-2, -3								-	-	-	-
A3.11.4.6. Engine Fuel Flow Indicator TR: 1B-1B-2-77JG-40-1, 77-41-10-2, -3								-	-	-	-
A3.11.4.7. Oil Pressure/Oil Quantity Indicator TR: 1B-1B-2-77JG-60-1, 77-61-10-2, -3								-	-	-	-
A3.11.4.8. Total Rate of Fuel Flow Indicator (Tasks 77-41-19-2, -3)								-	-	-	-
A3.11.4.9. Annunciator Driver Assembly (Tasks 77-31-10-2, -3)								-	-	-	-
A3.11.5. Troubleshoot TR: 1B-1B-2-77GS-00-1, -77WD-00-1	*							-	-	-	-
A3.12. LIQUID QUANTITY SYSTEMS											
A3.12.1. Fuel Center of Gravity Management System (FCGMS)											
A3.12.1.1. Theory of Operation TR: 1B-1B-2-28GS-00-1								B	B	-	-
A3.12.1.2. Perform Ground Readiness Tests (GRTs)											
A3.12.1.2.1. Fuel Center of Gravity Management System GRT TR: 1B-1B-2-40JG-28-1, 40GRT-28-50								-	-	-	-
A3.12.1.3. Perform operational check											
A3.12.1.3.1. Fuel Quantity Sensing check TR: 1B-1B-2-28JG-50-1, 28-51-01	*							-	-	-	-
A3.12.1.3.2. FCGMS High-Low TR: 1B-1B-2-28JG-50-1, 28-51-02	*							-	-	-	-
A3.12.1.3.3. FCGMS Target CG TR: 1B-1B-2-28JG-50-1, 28-51-03	*							-	-	-	-
A3.12.1.3.4. FCGMS Safety-Of-Flight operational check TR: 1B-1B-2-28JG-50-1, 28-51-04	*							-	-	-	-
A3.12.1.3.5. FCGMS Download TR: 1B-1B-2-28JG-550-1, 28-51-05	*							-	-	-	-
A3.12.1.3.6. Fuel Transfer TR: 1B-1B-2-28JG-20-1, 28-21-01								-	-	-	-

B-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES											
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A3.12.1.3.7. Fuel Transfer Status Indicator TR: 1B-1B-2-28JG-20-7, 28-26-11								-	-	-	-
A3.12.1.4. Remove and install (R&I)											
A3.12.1.4.1. Discrete Fuel Flow Sensor Power Supply TR: 1B-1B-2-28JG-20-7, 28-01-08								-	-	-	-
A3.12.1.4.2. Attitude Sensor TR: 1B-1B-2-28JG-50-2, 28-51-12								-	-	-	-
A3.12.1.4.3. Wing Tank Fuel Quantity Gage Bulkhead Connector TR: 1B-1B-2-28JG-50-2, 28-51-13								-	-	-	-
A3.12.1.4.4. Intermediate Device TR: 1B-1B-2-28JG-50-2, 28-51-14	*							-	-	-	-
A3.12.1.4.5. Fuel Management Panel TR: 1B-1B-2-28JG-50-2, 28-51-15								-	-	-	-
A3.12.1.4.6. Fuel Center-Of-Gravity Management Panel TR: 1B-1B-2-28JG-50-2, 28-51-16								-	-	-	-
A3.12.1.4.7. Individual Fuel Tank Quantity Indicator TR: 1B-1B-2-28JG-50-2, 28-51-19								-	-	-	-
A3.12.1.4.8. Select Tank Fuel Quantity Indicator TR: 1B-1B-2-28JG-50-2, 28-51-20								-	-	-	-
A3.12.1.4.9. Percent MAC/Gross Weight/Total Fuel Quantity Indicator TR: 1B-1B-2-28JG-50-2, 28-51-21								-	-	-	-
A3.12.1.4.10. Ground Refuel/Defuel Indicator TR: 1B-1B-2-28JG-50-2, 28-51-22								-	-	-	-
A3.12.1.4.11. Ground Refuel/Defuel Control Panel TR: 1B-1B-2-28JG-22-2, -3								-	-	-	-
A3.12.1.4.12. FCGMS Fuel Quantity Probe Adapter Cable Installation TR: 1B-1B-2-28JG-00-1, 28-01-08								-	-	-	-
A3.12.1.5. Troubleshoot TR: 1B-1B-2-28GS-00-1		*						-	-	-	-
A3.12.2. Hydraulic Indicating Systems											
A3.12.2.1. Theory of Operation TR: 1B-1B-2-29GS-00-1								-	-	-	-
A3.12.2.2. Perform Hydraulic Power GRT TR: 1B-1B-2-40JG-29-1, -40GRT-29-05								-	-	-	-

B-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A3.12.2.3. Perform Hydraulic Power Indicating operational check TR: 1B-1B-2-29JG-30-1, 29-30-01								-	-	-
A3.12.2.4. Remove and install (R&I)										
A3.12.2.4.1. Hydraulic Pressure Signal Conditioning and Distribution Unit TR: 1B-1B-2-29JG-30-1, 29-31-14-2, -3								-	-	-
A3.12.2.4.2. Hydraulic Fluid Quantity Signal TR: 1B-1B-2-29JG-30-1, 29-32-13-2, -3								-	-	-
A3.12.2.4.3. Hydraulic Fluid Temperature Signal Conditioning and Distribution Unit TR: 1B-1B-2-29JG-30-1, 29-34-13-2, -3								-	-	-
A3.12.2.4.4. Hydraulic Power Main Pressure/Quantity Indicating Panel Assembly TR: 1B-1B-2-29JG-30-1, 29-32-12-2, -3								-	-	-
A3.12.2.5. Troubleshoot TR: 1B-1B-2-29GS-00-1, -29WD-00-1										
A3.12.2.5.1. Pressure	*							-	-	-
A3.12.2.5.2. Quantity	*							-	-	-
A3.12.2.5.3. Temperature								-	-	-
A3.13. ELECTRICAL MULTIPLEX SYSTEM (EMUX) TR: System GS										
A3.13.1. Theory of Operation								-	-	-
A3.13.2. Aircraft Systems Integration										
A3.13.2.1. Theory of Operation TR: 1B-1B-2-40GS-00-1								-	-	-
A3.13.2.2. Use Parameter Monitor Codes for Systems Fault Isolation TR: System GS-00-1	*							-	-	-
A3.13.2.3. Use CITS Data Snapshots TR: 1B-2-40GS-technical orders		*						-	-	-
A3.13.2.4. Use CITS Expert Parameter System (CEPS/CITS Deployable Diagnostic System (CDDS) TR: 31S5-4-3593-1	*							-	-	-

B-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A3.13.2.5. Use Wiring Diagrams for Fault Isolation TR: 1B-1B-2-00WD-00-1	*							-	-	-
A3.13.3 Operate/Maintain Peculiar (Special Purpose) Test Equipment to perform Maintenance Functions										
A3.13.3.1. CITS EMUX Maintenance Unit (CEMU) TR: 33D7-75-35-1										
A3.13.3.1.1. Purpose and Interface								-	-	-
A3.13.3.1.2. Use Aircraft Monitor Modes								-	-	-
A3.13.3.1.3. Use Aircraft STIM Codes								-	-	-

B-2 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse

ATTACHMENT 4 - B-2 Training Requirements

NOTE 1: The apprentice course will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.

NOTE 2: All course requirements are trained in the 3-level resident course during wartime. The 7-level in-residence course is not taught during wartime.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items marked in columns 2A or 2B marked with a */R are optional core tasks for ANG and AFRC.

NOTE 5: Items coded in column 4A will be trained using B-2aircraft/systems. If B-2 aircraft/systems are unavailable, representative systems from other aircraft may be used.

NOTE 6: Address comments or recommend changes through the MAJCOM Functional Manager to the AETC Training Manager, at DSN 736-7891.

A4.1. GENERAL ORGANIZATIONAL MAINTENANCE TR: Applicable –1 and –2 technical orders										
A4.1.1. Aircraft Familiarization TR: 1B-2A-2-00GV-00-1										
A4.1.1.1. Major Structural Areas								-	-	-
A4.1.1.2. Major Systems								-	-	-
A4.1.1.3. Danger Areas								-	-	-
A4.1.1.4. Low Observable Fundamentals								-	-	-
A4.1.2. Technical Order Familiarization								-	-	-
A4.1.3. Observable Critical Procedures (OCP) Awareness TR: 1B-2A-2-00JG-00-1	*							-	-	-
A4.2. GENERAL MAINTENANCE TASKS										
A4.2.1. Aircraft Ground Handling										
A4.2.1.1. Flightline Safety/ Precautions/Security								-	-	-
A4.2.1.2. Inspection/Operation Portable External Electrical Power Unit								-	-	-
A4.2.1.3. Inspect/Use Ground Maintenance Stands								-	-	-
A4.2.2. Perform Aircraft Wash								-	-	-
A4.2.3. Aircraft Jacking										

B-2 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse
A4.2.3.1. Jacking Supervisor								-	-	-
A4.2.3.2. Jacking Team Member								-	-	-
A4.2.3.3. Jack Aircraft								-	-	-
A4.2.4. Refuel/Defuel										
A4.2.4.1. Perform Refuel Team Member Duties								-	-	-
A4.2.4.2. Perform Defuel Team Member Duties								-	-	-
A4.2.5. Remove and install (R&I) aircraft Maintenance access Panels								-	-	-
A4.2.6. Use Aircraft Interphone System								-	-	-
A4.2.7. Perform Aircraft Marshaling Procedures								-	-	-
A4.2.8. Tow Aircraft										
A4.2.8.1. Perform wing duties								-	-	-
A4.2.8.2. Perform tail walker duties								-	-	-
A4.2.8.3. Brake Operator								-	-	-
A4.2.9. Perform aircraft safe for maintenance TR: 1B-2A-2-05JG-20-1, 05-21-01	*							-	-	-
A4.2.10. Apply/remove external air conditioning TR: 1B-2A-2-05JG-10-2, 05-12-03	*							-	-	-
A4.2.11. Apply/remove external power TR: 1B-2A-2-05JG-10-1, 05-12-01	*							-	-	-
A4.2.12. Perform selected classified data erase TR: 1B-2A-2-40JG-00-1, 40-00-01-01								-	-	-
A4.2.13. Pilot seat positioning TR: 1B-2A-2-90JG-10-1, 95-10-05								-	-	-
A4.2.14. ECS Power Up/Down TR: 1B-2A-2-21JG-00-1, 21-00-05								-	-	-
A4.2.15. Operate AFT Avionics Bay Door TR: 1B-2A-2-01JG-60-2, 01-61-03								-	-	-
A4.2.16. Open/Close Engine AMAD Bay Doors TR: 1B-2A-2-01JG-60-1 Task 01-61-07								-	-	-

B-2 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse
A4.2.17. Operate Weapons Bay Doors TR: 1B-2A-2-01JG-60-1 Task 01-61-03								-	-	-
A4.2.18. Open/Close ECS Bay Doors TR: 1B-2A-2-01JG-60-2 Task 01-61-11								-	-	-
A4.2.19. Open/Close Hydraulic Access Doors TR: 1B-2A-2-01JG-60-2 Task 01-61-11								-	-	-
A4.2.20. Central Aircraft Support System (CASS)										
A4.2.20.1. CASS Electrical Power								-	-	-
A4.2.20.2. CASS Air								-	-	-
A4.2.21. Dock Procedures										
A4.2.21.1. Aqueous Film Forming Foam								-	-	-
A4.2.21.2. Fall Arrestor System								-	-	-
A4.3. GENERAL FLIGHT CONTROLS										
A4.3.1. Electronic Flight Controls										
A4.3.1.1. Theory of Operation TR: 1B-2A-2-27GS-00-2								-	-	-
A4.3.1.2. System Integration TR: 1B-2A-2-40GS-00-1								-	-	-
A4.3.1.3. Perform Built-In-Tests										
A4.3.1.3.1. Flight Controls S-BIT TR: 1B-2A-2-40JG-10-1, 40-10-27-01	*							-	-	-
A4.3.1.3.2. Flight Control Computer S-BIT TR: 1B-2A-2-40JG-10-1, 40-10-27-02								-	-	-
A4.3.1.3.3. Flight Control Actuation System S-BIT TR: 1B-2A-2-40JG-10-1, 40-10-27-04								-	-	-
A4.3.1.3.4. Flight Control Computer DG-BIT TR: 1B-2A-2-40JG-10-1, 40-10-27-03								-	-	-
A4.3.1.3.5. Flight Control Actuation System DG-BIT TR: 1B-2A-2-40JG-10-1, 40-10-27-05								-	-	-
A4.3.1.3.6. Flight Controls Memory Read TR: 1B-2A-2-40JG-00-1, 40-00-03-01	*							-	-	-

B-2 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.3.1.3.7 Speed brake Switch operational check TR: 1B-2A-76-10-1, 76-15-111-1								-	-	-	-
A4.3.1.4. Remove and install (R&I)											
A4.3.1.4.1. Flight Control Computer TR: 1B-2A-2-27JG-90-1, 27-91-105-2, -3	*							-	-	-	-
A4.3.1.4.2. Attitude Motion Sensor Set TR: 1B-2A-2-27JG-90-1, 27-91-103-2, -3	*							-	-	-	-
A4.3.1.4.3. Actuator Remote Terminal TR: 1B-2A-2-27JG-90-1, 27-91-107-2, -3	*							-	-	-	-
A4.3.1.4.4. Alternate Trim Panel TR: 1B-2A-2-27JG-30-1, 27-31-105-2, -3								-	-	-	-
A4.3.1.4.5. Flight Data Control Panel TR: 1B-2A-2-31JG-10-1, 31-17-105-2, -3								-	-	-	-
A4.3.1.4.6. Flight Control Maintenance Panel TR: 1B-2A-2-27JG-90-1, 27-95-101-2, -3	*							-	-	-	-
A4.3.1.4.7. Master Mode Switch TR: 1B-2A-2-27JG-90-1, 27-95-103-2, -3								-	-	-	-
A4.3.1.4.8. Control Stick Grip TR: 1B-2A-2-27JG-90-1, 27-95-105-2 -3	*							-	-	-	-
A4.3.1.4.9. Stick Shaker Assembly TR: 1B-2A-2-27JG-90-1, 27-95-107-2, -3								-	-	-	-
A4.3.1.4.10. Pitch Position Sensor Assembly TR: 1B-2A-2-27JG-30-1, 27-31-109-2, -3								-	-	-	-
A4.3.1.4.11. Roll Position Sensor Assembly TR: 1B-2A-2-27JG-30-2, 27-31-111-2, -3								-	-	-	-
A4.3.1.4.12. Yaw Position Sensor Assembly TR: 1B-2A-2-27JG-20-1, 27-21-105-2, -3								-	-	-	-
A4.3.1.4.13. Weapons Bay Door LVDT TR: 1B-2A-2-94JG-90-3, 94-91-145-2, -3								-	-	-	-

B-2 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse
A4.3.1.4.14. Control Stick Assembly TR: 1B-2A-2-27JG-30-1, 27-31-101-2, -3								-	-	-
A4.3.1.4.15. Control Feel Augmentation Cartridge Assembly TR: 1B-2A-2-27JG-30-1, 27-31-107-2, -3								-	-	-
A4.3.1.4.16. Yaw Feel Cartridge TR: 1B-2A-2-27JG-20-1, 27-21-107-2, -3								-	-	-
A4.3.1.4.17. Roll Sensor Drive Crank TR: 1B-2A-2-27JG-30-2, 27-31-113-2, -3								-	-	-
A4.3.1.4.18. Pitch Interconnect Pushrod TR: 1B-2A-2-27JG-30-2, 27-31-117-2, -3								-	-	-
A4.3.1.4.19. Aileron Sensor Drive Pushrod TR: 1B-2A-2-27JG-30-2, 27-31-119-2, -3								-	-	-
A4.3.1.4.20. Spring TR: 1B-2A-2-27JG-30-2, 27-31-129-2, -3								-	-	-
A4.3.1.4.21. #4 Throttle Grip Quadrant Assembly TR: 1B-2A-2-76JG-10-1, 76-15-111-2, -3								-	-	-
A4.3.1.4.22. Roll Dampers TR: 1B-2A-2-27JG-30-2, 27-31-127-2, -3								-	-	-
A4.3.1.4.23. Pitch torque tube assembly TR: 1B-2A-2-27JG-30-2, 27-31-131-2, -3								-	-	-
A4.3.1.4.24. Rudder pedal TR: 1B-2A-2-27JG-20-1, 27-21-101-2, -3								-	-	-
A4.3.1.4.25. Interconnect link TR: 1B-2A-2-27JG-20-1, 27-21-103-2, -3								-	-	-
A4.3.1.5. Perform Adjustments, Alignments, and Rigging										
A4.3.1.5.1. Minor Rig TR: 1B-2A-2-27JG-90-1, 27-91-107-5	*							-	-	-

B-2 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.3.1.5.2. Major Rig TR: 1B-2A-2-27JG-00-1, 27-00-01								-	-	-	-
A4.3.1.5.3. Yaw Control Rigging TR: 1B-2A-2-27JG-20-1, 27-20-03								-	-	-	-
A4.3.1.5.4. Roll Control Rigging TR: 1B-2A-2-27JG-30-1, 27-30-01-1								-	-	-	-
A4.3.1.5.5. Pitch Control Rigging TR: 1B-2A-2-27JG-30-1, 27-30-01-2								-	-	-	-
A4.3.1.5.6. AMSS Alignment TR: 1B-2A-2-27JG-90-1, 27-91-103-5								-	-	-	-
A4.3.1.5.7. Transfer Align TR: 1B-2A-2-27JG-90-1, 27-91-103-5-1								-	-	-	-
A4.3.1.5.8. Mag Var Load TR: 1B-2A-2-27JG-90-1, 27-91-103-5-2								-	-	-	-
A4.3.1.5.9. Extended Align TR: 1B-2A-2-27JG-90-1, 27-91-103-5-3								-	-	-	-
A4.3.1.5.10. Weapons Bay Door LVDT adjustment TR: 1B-2A-2-94JG-90-3, 94-91-145-5								-	-	-	-
A4.3.1.5.11. Fault Isolate TR: 1B-2A-2-27GS-00-1, -27WD-00-1	*							-	-	-	-
A4.3.2. Auto Flight System											
A4.3.2.1. Theory of Operation TR: 1B-2A-2-22GS-00-1								-	-	-	-
A4.3.2.2. System integration TR: 1B-2A-2-40GS-00-1								-	-	-	-
A4.3.2.3. Auto Flight operational check TR: 1B-2A-2-40JG-10-1								-	-	-	-
A4.3.3. Fault Isolate TR: 1B-2A-2-22GS-20-1, 22WD-00-1								-	-	-	-
A4.4. GENERAL COMPUTER COMPLEX											
A4.4.1. Onboard Test System (OBTS)											
A4.4.1.1. Theory of Operation TR: 1B-2A-2-31GS-00-1, -40GS-00-1								-	-	-	-
A4.4.1.2. Use manually initiated procedures and OBMP printout for system fault isolation TR: 1B-2A-2-40JG-10-1, -40GS-00; 27GS-00	*							-	-	-	-

B-2 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse
A4.4.1.3. Use OBTS data and OBTS digital computer system (ODCS) reports for fault isolation of aircraft systems malfunctions TR: 1B-2A-2-40GS-00-1 and applicable system GS-00-1								-	-	-
A4.4.1.4. Perform operational check										
A4.4.1.4.1. Maintenance Write Cartridge TR: 1B-2A-2-31JG-10-1, 31-14-105-1, 31-15-105-1	*							-	-	-
A4.4.1.4.2. Onboard Maintenance Printer (OBMP) TR: 1B-2A-2-31-JG-30-1 Task 31-37-101	*							-	-	-
A4.4.1.4.3. DDU Disk Cartridge TR: 1B-2A-2-31JG-10-1, 31-18-105-1, 31-19-105-1								-	-	-
A4.4.1.4.4. Status Monitoring Remote Terminal (SMRT) TR: 1B-2A-2-31JG-30-1, 31-30-01	*							-	-	-
A4.4.1.5. Remove and install (R&I)										
A4.4.1.5.1. On Board Maintenance Printer (OBMP) TR: 1B-2A-2-31JG-30-1, 31-37-101	*							-	-	-
A4.4.1.5.2. Maintenance Write Cartridge TR: 1B-2A-2-31JG-10-1, 31-14-105								-	-	-
A4.4.1.5.3. DDU Disk Cartridge TR: 1B-2A-2-31JG-10-1, 31-18-105-2, -3;31-19-105-2, -3								-	-	-
A4.4.1.5.4. OBMP Paper Tape TR: 1B-2A-2-31-JG-30-1, 31-37-101								-	-	-
A4.4.1.5.5. SMRT TR: 1B-2A-2-31-JG-30-1, 31-31-101, 31-32-101, 31-33-101, 31-34-101, 31-35-101								-	-	-
A4.4.1.6. Fault Isolate TR: 1B-2A-2-31GS-00-1, -31WD-00-1								-	-	-
A4.4.2. OBTS Ground Processor (OGP II)										
A4.4.2.1. Theory of Operation TR: 1B-2A-2-31GS-00-1, -40GS-00-1								-	-	-
A4.4.2.2. Login/Logout OGPII TR: Software Users Manual								-	-	-

B-2 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse
A4.4.2.3. Produce/Recreate Debrief Reports TR: 31S5-4-2340-1								-	-	-
A4.4.2.4. Run Predefined Text and Graphics Reports TR: 31S5-4-2340-1								-	-	-
A4.4.2.5. Produce Ad-Hoc Reports TR: 31S5-4-2340-1								-	-	-
A4.4.2.6. Fault Isolate TR: 1B-2A-2-31GS-00-1, -40GS-00-1								-	-	-
A4.5. MULTIPLEX BUS SYSTEM										
A4.5.1. Theory of Operation TR: 1B-2A-2-40GS-00-1								-	-	-
A4.5.2. Remove and install (R&I) TR: 1B-2A-2-27GS-00-1										
A4.5.2.1. Bus Connectors								-	-	-
A4.5.2.2. Bus Terminators								-	-	-
A4.5.2.3. Bus Couplers								-	-	-
A4.5.3. Fault Isolate TR: 1B-2A-2-40GS-00-1, -40WD-00-1	*							-	-	-
A4.6. FLIGHT INSTRUMENTS										
A4.6.1. Standby Flight Instruments										
A4.6.1.1. Theory of Operation TR: 1B-2A-2-31GS-00-1								-	-	-
A4.6.1.2. System Integration TR: 1B-2A-2-40GS-00-1								-	-	-
A4.6.1.3. Perform operational check										
A4.6.1.3.1. STBY Instruments S-BIT TR: 1B-2A-2-40JG-10-1, 40-10-31-03								-	-	-
A4.6.1.3.2. STBY ADIC Component check TR: 1B-2A-2-31JG-20-1, 31-21-109-1								-	-	-
A4.6.1.3.3. Instrument Lighting check TR: 1B-2A-2-33JG-10-1, 33-10-01								-	-	-
A4.6.1.4. Remove and install (R&I)										
A4.6.1.4.1. Airspeed Mach Indicator TR: 1B-2A-2-31JG-20-1, 31-21-107-2, -3								-	-	-

B-2 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse
A4.6.1.4.2. Altimeter TR: 1B-2A-2-31JG-20-1, 31-21-103-2, -3								-	-	-
A4.6.1.4.3. Magnetic Compass TR: 1B-2A-2-31JG-20-1, 31-21-111-2, -3								-	-	-
A4.6.1.4.4. Attitude Indicator TR: 1B-2A-2-31JG-20-1, 31-21-109-2, -3								-	-	-
A4.6.1.4.5. Vertical Velocity Indicator TR: 1B-2A-2-31JG-20-1, 31-21-105-2, -3								-	-	-
A4.6.1.4.6. AOA Indexer TR: 1B-2A-2-31JG-20-1, 31-21-101-2, -3								-	-	-
A4.6.1.5. Perform Magnetic Compass Calibration TR: 1B-2A-2-31JG-20-1, 31-21-111-5								-	-	-
A4.6.1.6. Fault Isolate TR: 1B-2A-2-31GS-00-1, 31WD-00-1	*							-	-	-
A4.7. AIR DATA SYSTEMS										
A4.7.1. Theory of Operation TR: 1B-2A-2-27GS-00-2								-	-	-
A4.7.2. System Integration TR: 1B-2A-2-40GS-00-1								-	-	-
A4.7.3. Perform operational check										
A4.7.3.1. Pressure Transducer S-Bit TR: 1B-2A-2-40JG-10-1, 40-10-27-06								-	-	-
A4.7.3.2. Surge Heater operational Check TR: 1B-2A-2-27JG-90-1, 27-91-101-1-1	*							-	-	-
A4.7.3.3. Pressure Transducer Heat Check TR: 1B-2A-2-27JG-90-1, 27-91-101-1-3								-	-	-
A4.7.4. Remove and install (R&I)										
A4.7.4.1. Alpha Pressure Transducer Unit (PTU) TR: 1B-2A-2-27JG-90-1, 27-91-101-2-1, -3-1								-	-	-
A4.7.4.2. Beta PTU TR: 1B-2A-2-27JG-90-1, 27-91-101-2-2, -3-2								-	-	-

B-2 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse
A4.7.4.3. GLA PTU TR: 1B-2A-2-27JG-90-1, 27-91-101-2-3, -2-4, -3-3, -3-4								-	-	-
A4.7.4.4. Perform AD Calibration TR: 1B-2A-27JG-90-1, 27-91-101-5	*							-	-	-
A4.7.5. Fault Isolate TR: 1B-2A-2-27GS-00-1, 27WD-00-1		*						-	-	-
A4.8. DATA RECORDERS										
A4.8.1. Flight Data Recorder System										
A4.8.1.1. Theory of Operation TR: 1B-2A-31GS-00-1, 40-10-31-04								-	-	-
A4.8.1.2. System Integration TR: 1B-2A-2-40GS-00-1								-	-	-
A4.8.1.3. Perform Flight Data Recorder check TR: 1B-2A-2-40JG-10-1								-	-	-
A4.8.1.4. Remove and install (R&I)										
A4.8.1.4.1. Flight Data Recorder TR: 1B-2A-31JG-30-1, 31-38-101-2, -3								-	-	-
A4.8.1.4.2. Crash Survivable Memory Unit TR: 1B-2A-31JG-30-1, 31-38-103-2, -3								-	-	-
A4.8.1.5. FDR Forced Data Extract TR: 1B-2A-2-40JG-00-1, 40-00-01-16								-	-	-
A4.8.1.6. Fault Isolate TR: 1B-2A-2-31GS-00-1								-	-	-
A4.9. ENGINE INDICATING SYSTEMS										
A4.9.1. ENGINE INDICATING/MONITORING										
A4.9.1.1. Theory of Operation TR: 1B-2A-2-77GS-00-1								-	-	-
A4.9.1.2. Perform Engine Performance Monitor operational check TR: 1B-2A-2-77JG-10-1, 77-15-101-1	*							-	-	-
A4.9.1.3. Remove and install Engine Performance Monitor TR: 1B-2A-2-77JG-10-1, 77-15-101-2, -3								-	-	-
A4.9.1.4. Fault Isolate TR: 1B-2A-2-77GS-00-1, -77WD-00-1		*						-	-	-

B-2 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A4.10. LIQUID QUANTITY INDICATIONS											
A4.10.1. FUEL MANAGEMENT SYSTEMS											
A4.10.1.1. Theory of Operation TR: 1B-2A-2-28GS-00-1								-	-	-	-
A4.10.1.2. System Integration TR: 1B-2A-2-40GS-00-1								-	-	-	-
A4.10.1.3. Perform Built-In Tests											
A4.10.1.3.1. Fuel Measurement Management System I-BIT TR: 1B-2A-2-40JG-10-1, 40-10-28-01								-	-	-	-
A4.10.1.3.2. Manual Fuel Control Panel S-BIT TR: 1B-2A-2-40JG-10-1, 40-10-28-02								-	-	-	-
A4.10.1.4. Perform checkout procedures											
A4.10.1.4.1. Fuel Measurement/Management System operational check TR: 1B-2A-2-28JG-40-1, 28-40-01	*							-	-	-	-
A4.10.1.4.2. Manual Fuel Control Panel Component check TR: 1B-2A-2-28JG-20-2, 28-24-113-1								-	-	-	-
A4.10.1.4.3. Load Select Indicator/Control Unit Component check TR: 1B-2A-2-29JG-40-2, 28-42-115-1								-	-	-	-
A4.10.1.5. Remove and install (R&I)											
A4.10.1.5.1. Fuel Measurement/Management Computer TR: 1B-2A-2-28JG-40-2, 28-42-111-2 -3	*							-	-	-	-
A4.10.1.5.2. Manual Fuel Control Panel TR: 1B-2A-2-28JG-20-1, 28-24-113-2 -3								-	-	-	-
A4.10.1.5.3. Tank Temperature Sensor TR: 1B-2A-2-28JG-40-2, 28-42-117-2, -3								-	-	-	-
A4.10.1.5.4. Bulkhead Electronic Device TR: 1B-2A-2-28JG-40-1, 28-42-101-2, -3								-	-	-	-
A4.10.1.5.5. Load Select Indicator/Control Unit TR: 1B-2A-2-28JG-40-1, 28-42-115-2, -3								-	-	-	-

B-2 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse
A4.10.1.5.6. Ground Refuel/Defuel Control Panel TR: 1B-2A-2-28JG-20-2, 28-21-113-2, -3								-	-	-
A4.10.1.5.7. Fuel Control Relay Panel TR: 1B-2A-2-28JG-20-2, 28-24-109-2, -3								-	-	-
A4.10.1.6. Fault Isolate TR: 1B-2A-2-28GS-00-1	*							-	-	-
A4.11. NOSE WHEEL STEERING										
A4.11.1. Theory of Nose Wheel Steering TR: 1B-2A-2-27GS-00-1, 27GS-00-2, 32GS-00-1								-	-	-
A4.11.2. Fault Isolate TR: 1B-2A-2-27GS-00-1, 27GS-00-2, 32GS-00-1, 27WD-00-1, 32WD-00-1								-	-	-
A4.11.3. Perform operational check TR: 1B-2A-2-32JG-50-1, 32-51-01								-	-	-
A4.11.4. Remove and install (R&I) Quad Linear Transducer TR: 1B-2A-2-32JG-50-1, 32-51-117-2, -3								-	-	-
A4.11.5. NWS Rigging TR: 1B-2A-2-32JG-50-1, 32-51-03								-	-	-
A4.12. PECULIAR (SPECIAL PURPOSE) TEST EQUIPMENT										
A4.12.1. Operate/Maintain peculiar (special purpose) test equipment								-	-	-

B-52 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES										
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC

ATTACHMENT 5 - B-52H Training Requirements

NOTE 1: The apprentice course will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.

NOTE 2: All course requirements are trained in the 3-level resident course during wartime. The 7-level in-residence course is not taught during wartime.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items marked in columns 2A or 2B marked with a */R are optional core tasks for ANG and AFRC.

NOTE 5: Items coded in column 4A will be trained using B-52 aircraft/systems. If B-52 aircraft/systems are unavailable, representative systems from other aircraft may be used.

NOTE 6: Address comments or recommend changes through the MAJCOM Functional Manager to the AETC Training Manager, at DSN 736-7891.

A5.1. GENERAL ORGANIZATIONAL MAINTENANCE TR: Applicable aircraft –1 and –2 technical orders										
A5.1.1. Aircraft/Airframe Familiarization										
A5.1.1.1. Major Structural Areas								-	-	-
A5.1.1.2. Major Aircraft Systems								-	-	-
A5.1.2. Technical Order Familiarization								-	-	-
A5.1.3. Flightline Safety/Precautions/Security								-	-	-
A5.1.4. Dropped Object Prevention Program (DOPP)								-	-	-
A5.2. GENERAL MAINTENANCE TASKS										
A5.2.1. Ensure Aircraft Safe For Maintenance	*							-	-	-
A5.2.2. Statically Ground Aircraft								-	-	-
A5.2.3. Apply/Disconnect External Electrical Power	*							-	-	-
A5.2.4. Apply External Air Conditioning								-	-	-
A5.2.5. Use Aircraft Interphone System								-	-	-
A5.2.6. Apply Hydraulic Power								-	-	-
A5.2.7. Remove and install (R&I) Lower Body Cowling								-	-	-

B-52 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A5.2.8. Open/Close Upper Body Cowling								-	-	-
A5.2.9. Open/Close Lower Wrap Cowling								-	-	-
A5.2.10. Remove and install (R&I) Trailing Edge Fairing								-	-	-
A5.2.11. Remove and install (R&I) aircraft Maintenance Access Panels								-	-	-
A5.3. GENERAL FLIGHT CONTROL										
A5.3.1. Flap Position Indicating System										
A5.3.1.1. Theory of Operation TR: 1B-52H-2-4GA								-	-	-
A5.3.1.2. Perform operational check TR: 1B-52H-2-4JG-9	*							-	-	-
A5.3.1.3. Remove and install (R&I)								-	-	-
A5.3.1.3.1. Indicator TR: 1B-52H-2-4JG-11								-	-	-
A5.3.1.3.2. Transmitter TR: 1B-52H-2-4JG-11								-	-	-
A5.3.1.4. Adjust Transmitter TR: 1B-52H-2-4JG-11								-	-	-
A5.3.1.5. Troubleshoot TR: 1B-52H-2-4GA-1								-	-	-
A5.3.2. Lateral Trim Position Indicating System										
A5.3.2.1. Theory of Operation TR: 1B-52H-2-4GA								-	-	-
A5.3.2.2. Perform operational check TR: 1B-52H-2-4JG-1								-	-	-
A5.3.2.3. Remove and install (R&I) Indicator TR: 1B-52H-2-4JG-2								-	-	-
A5.3.2.4. Troubleshoot TR: 1B-52H-2-4GA-1								-	-	-
A5.3.3. Automatic Flight Control System										
A5.3.3.1. Theory of Operation TR: 1B-52H-2-27GA								-	-	-
A5.3.3.2. Perform operational checks								-	-	-

B-52 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) Crse	(2) CDC
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	-	-	-	-
A5.3.3.2.1. Perform operational check TR: 1B-52H-2-27JG-1	*							-	-	-	-
A5.3.3.2.2. Maintenance BIT Check TR: 1B-52H-2-27JG-1								-	-	-	-
A5.3.3.2.3. Stabilizer Trim Servo Motor check TR: 1B-52H-2-27JG-2								-	-	-	-
A5.3.3.3. Remove and install (R&I) TR: 1B-52H-2-27JG-2											
A5.3.3.3.1. FSC Processor	*							-	-	-	-
A5.3.3.3.2. FSC Control Panel								-	-	-	-
A5.3.3.3.3. Air Control Unit Sensor								-	-	-	-
A5.3.3.3.4. Status Test Panel								-	-	-	-
A5.3.3.3.5. Flight Controller								-	-	-	-
A5.3.3.3.6. Turn Control Selector								-	-	-	-
A5.3.3.3.7. Lateral Control Servo Motor and Drive Assembly								-	-	-	-
A5.3.3.3.8. Elevator Servo Motor and Drive Assembly								-	-	-	-
A5.3.3.3.9. Stabilizer Trim Servo Motor								-	-	-	-
A5.3.3.4. Troubleshoot TR: 1B-52H-2-27GA-1	*							-	-	-	-
A5.3.4. Stability Augmentation System											
A5.3.4.1. Theory of Operation TR: 1B-52H-2-40GA								-	-	-	-
A5.3.4.2. Perform operational check TR: 1B-52H-2-40JG-1								-	-	-	-
A5.3.4.3. Reset YECU and PECU Indicators TR: 1B-52H-2-40JG-1								-	-	-	-
A5.3.4.4. Perform Electro Magnetic Compatibility check TR: 1B-52H-2-40JG-1								-	-	-	-
A5.3.4.5. Remove and install (R&I) TR: 1B-52H-2-40JG-1											
A5.3.4.5.1. SAS Engage Switch								-	-	-	-

B-52 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES										
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A5.3.4.5.2. YAW Electronic Control Unit								-	-	-
A5.3.4.5.3. Parameter Scheduling Unit								-	-	-
A5.3.4.5.4. YAW Rate Sensor Unit								-	-	-
A5.3.4.5.5. Accelerometer Unit								-	-	-
A5.3.4.5.6. Pitch Electronic Control Unit								-	-	-
A5.3.4.5.7. Pitch Rate Sensor Unit								-	-	-
A5.3.4.6. Adjust/Calibrate TR: 1B-52H-2-40JG-1										
A5.3.4.6.1. Analog PECU Elevator Actuator Matching								-	-	-
A5.3.4.6.2. Analog YECU Rudder Actuator Matching								-	-	-
A5.3.4.7. Troubleshoot TR: 1B-52H-2-40GA-1	*							-	-	-
A5.4. GENERAL NAVIGATION SYSTEMS										
A5.4.1. Attitude Heading Reference System										
A5.4.1.1. Theory of Operation TR: 1B-52H-2-11GA								-	-	-
A5.4.1.2. Fast operational check TR: 1B-52H-2-11JG-10	*							-	-	-
A5.4.1.3. Ground Maintenance Computer Program TR: 1B-52H-2-11JG-10								-	-	-
A5.4.1.4. Flight Computer Program TR: 1B-52H-2-11JG-10								-	-	-
A5.4.1.5. Remove and install (R&I) TR: 1B-52H-2-11JG-10										
A5.4.1.5.1. Control Panel								-	-	-
A5.4.1.5.2. Electronic Control Amplifier								-	-	-
A5.4.1.5.3. Gyro Reference Unit								-	-	-
A5.4.1.5.4. Compass Compensation Unit								-	-	-
A5.4.1.5.5. Attitude Switching Relay Box								-	-	-

B-52 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) Crse	(2) CDC
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials				
A5.4.1.5.6. Magnetic Azimuth Detector								-	-	-	-
A5.4.1.6. Troubleshoot TR: 1B-52H-2-11GA-1		*						-	-	-	-
A5.4.2. Flight Director System											
A5.4.2.1. Theory of Operation TR: 1B-52H-2-11GA								-	-	-	-
A5.4.2.2. Perform operational check TR: 1B-52H-2-11JG-8								-	-	-	-
A5.4.2.3. Remove and install (R&I) TR: 1B-52H-2-11JG-9											
A5.4.2.3.1. Flight Director Computer								-	-	-	-
A5.4.2.3.2. Attitude Director indicator								-	-	-	-
A5.4.2.3.3. Horizontal Situation Indicator								-	-	-	-
A5.4.2.3.4. MD-1 Displacement Gyro								-	-	-	-
A5.4.2.3.5. MC-1 Switching Rate Gyro								-	-	-	-
A5.4.2.3.6. Flight Gyro Transformer								-	-	-	-
A5.4.2.3.7. Flight Gyro Emergency Power Inverter								-	-	-	-
A5.4.2.3.8. Rate of Turn Gyro								-	-	-	-
A5.4.2.4. Troubleshoot TR: 1B-52H-2-11GA-1								-	-	-	-
A5.4.3. Standby Attitude Indicator											
A5.4.3.1. Theory of Operation TR: 1B-52H-2-11GA								-	-	-	-
A5.4.3.2. Perform operational check TR: 1B-52H-2-11JG-2								-	-	-	-
A5.4.3.3. Remove and install (R&I) Standby Attitude Indicator TR: 1B-52H-2-11JG-3								-	-	-	-
A5.4.3.4. Troubleshoot TR: 1B-52H-2-11GA-1								-	-	-	-
A5.4.4. Heading Indicator (Directional Gyro Indicator)											

B-52 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES										
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A5.4.4.1. Theory of Operation TR: 1B-52H-2-11GA								-	-	-
A5.4.4.2. Perform operational check TR: 1B-52H-2-11JG-2								-	-	-
A5.4.4.3. Remove and install (R&I) TR: 1B-52H-2-11JG-3										
A5.4.4.3.1. Directional Gyro Indicator (DGI)								-	-	-
A5.4.4.3.2. DGI Power Adapter								-	-	-
A5.4.4.4. Troubleshoot TR: 1B-52H-2-11GA-1								-	-	-
A5.4.5. Standby Compass										
A5.4.5.1. Theory of Operation TR: 1B-52H-2-11GA								-	-	-
A5.4.5.2. Remove and install (R&I) Standby Compass TR: 1B-52H-2-11JG-3								-	-	-
A5.4.5.3. Perform Standby Compass Adjustment TR: 1B-52H-2-11JG-2, -3								-	-	-
A5.4.5.4. Troubleshoot TR: 1B-52H-2-11GA-1								-	-	-
A5.4.6. Periscope Sextant and Mount										
A5.4.6.1. Theory of Operation TR: 1B-52H-2-11GA								-	-	-
A5.4.6.2. Perform operational check TR: 1B-52H-2-11JG-4								-	-	-
A5.4.6.3. Remove and install (R&I) TR: 1B-52H-2-11JG-4										
A5.4.6.3.1. Sextant Mount Receptacle								-	-	-
A5.4.6.3.2. Sextant Shutter Assembly								-	-	-
A5.4.6.4. Troubleshoot TR: 1B-52H-2-11GA-1								-	-	-
A5.5. FLIGHT INSTRUMENTS										
A5.5.1. Pitot Static Systems										
A5.5.1.1. Theory of Operation										

B-52 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES										
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A5.5.1.1.1. Pitot Static System TR: 1B-52H-2-11GA								-	-	-
A5.5.1.1.2. OAS True Airspeed & BARO Altitude TR: 1B-52H-2-34GA, 1B-52H-2-11JG-6								-	-	-
A5.5.1.1.3. EVS Indicated Airspeed TR: 1B-52H-2-41								-	-	-
A5.5.1.2. Inspect Pitot Tube and Static Port								-	-	-
A5.5.1.3. Perform operational check TR: 1B-52H-2-11JG-2, -5, -6										
A5.5.1.3.1. Pitot Static System	*							-	-	-
A5.5.1.3.2. AIMS Computer								-	-	-
A5.5.1.3.3. AIMS Altimeter								-	-	-
A5.5.1.3.4. Navigator Altimeter								-	-	-
A5.5.1.3.5. Vertical Velocity Indicator								-	-	-
A5.5.1.3.6. Airspeed Indicator								-	-	-
A5.5.1.3.7. True Airspeed Computer								-	-	-
A5.5.1.3.8. True Airspeed Indicator								-	-	-
A5.5.1.3.9. Machmeter								-	-	-
A5.5.1.3.10. OAS True Airspeed & BARO Altitude TR: 1B-52H-2-34JG-3								-	-	-
A5.5.1.3.11. EVS Indicated Airspeed TR: 1B-52H-2-41								-	-	-
A5.5.1.4. Adjust/Calibrate										
A5.5.1.4.1. AIMS Altimeters TR: 1B-52H-2-11JG-3								-	-	-
A5.5.1.4.2. Navigator Altimeter TR: 1B-52H-2-11JG-3								-	-	-
A5.5.1.5. Remove and install (R&I) TR: 1B-52H-2-11JG-3										
A5.5.1.5.1. AIMS Computer								-	-	-
A5.5.1.5.2. AIMS Altimeter	*							-	-	-

B-52 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES										
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A5.5.1.5.3. Navigator Altimeter								-	-	-
A5.5.1.5.4. Vertical Velocity Indicator								-	-	-
A5.5.1.5.5. Airspeed Indicator								-	-	-
A5.5.1.5.6. True Airspeed Computer								-	-	-
A5.5.1.5.7. True Airspeed Indicator								-	-	-
A5.5.1.5.8. Machmeter								-	-	-
A5.5.1.5.9. TAS Temperature Bulb								-	-	-
A5.5.1.5.10. OAS Static Pressure Transducer TR: 1B-5/H-2-34JG-3								-	-	-
A5.5.1.5.11. OAS Differential Pressure Transducer TR: 1B-52H-2-34JG-3								-	-	-
A5.5.1.5.12. EVS Indicated Airspeed (IAS) Transducer TR: 1B-52H-2-41								-	-	-
A5.5.1.5.13. OAS Temperature Bulb TR: 1B-52H-2-34JG-3								-	-	-
A5.5.1.6. Troubleshoot TR: 1B-52H-2-11GA-1								-	-	-
A5.5.2. Accelerometer										
A5.5.2.1. Theory of operation TR: 1B-52H-2-11GA								-	-	-
A5.5.2.2. Perform operational check TR: 1B-52H-2-11JG-2								-	-	-
A5.5.2.3. Remove and install (R&I) Accelerometer TR: 1B-52H-2-11JG-3								-	-	-
A5.5.2.4. Troubleshoot TR: 1B-52H-2-11GA-1								-	-	-
A5.5.3. Free Air Temperature Indicating System										
A5.5.3.1. Theory of operation TR: 1B-52H-2-11GA								-	-	-
A5.5.3.2. Perform operational check TR: 1B-52H-2-11JG-4								-	-	-
A5.5.3.3. Remove and install (R&I) TR: 1B-52H-2-11JG-4										

B-52 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES										
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A5.5.3.3.1. Free Air Temperature Bulb								-	-	-
A5.5.3.3.2. Free Air Temperature Indicator								-	-	-
A5.5.3.4. Troubleshoot TR: 1B-52H-2-11GA-1								-	-	-
A5.6. ENGINE INDICATING SYSTEMS										
A5.6.1. Engine Speed Indication System										
A5.6.1.1. Theory of Operation TR: 1B-52H-2-7GA								-	-	-
A5.6.1.2. Perform operational check TR: 1B-52H-2-7JG-8								-	-	-
A5.6.1.3. Remove and install (R&I) TR: 1B-52H-2-2-7JG-9										
A5.6.1.3.1. Tachometer Indicator								-	-	-
A5.6.1.3.2. Tachometer Generator								-	-	-
A5.6.1.4. Troubleshoot TR: 1B-52H-2-7GA-1	*							-	-	-
A5.6.2. Engine Pressure Ratio Indicating System										
A5.6.2.1. Theory of Operation TR: 1B-52H-2-7GA								-	-	-
A5.6.2.2. Perform operational check TR: 1B-52H-2-7JG-8	*							-	-	-
A5.6.2.3. Remove and install (R&I) TR: 1B-52H-2-7JG-9										
A5.6.2.3.1. Engine Pressure Ratio Indicator								-	-	-
A5.6.2.3.2. Engine Pressure Ratio Transducer								-	-	-
A5.6.2.4. Troubleshoot TR: 1B-52H-2-7GA-1	*							-	-	-
A5.6.3. Engine Oil Pressure Indicating System										
A5.6.3.1. Theory of Operation TR: 1B-52H-2-7GA								-	-	-
A5.6.3.2. Perform operational check TR: 1B-52H-2-7JG-8								-	-	-

B-52 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES										
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A5.6.3.3. Remove and install (R&I) TR: 1B-52H-2-7JG-9										
A5.6.3.3.1 Oil Pressure Indicator								-	-	-
A5.6.3.3.2 Oil Pressure Transmitter								-	-	-
A5.6.3.4. Troubleshoot TR: 1B-52H-2-7-GA-1	*							-	-	-
A5.6.4. Oil Temperature Indicating System										
A5.6.4.1. Theory of Operation TR: 1B-52H-2-7GA								-	-	-
A5.6.4.2. Perform operational check TR: 1B-52H-2-7JG-8								-	-	-
A5.6.4.3. Remove and install (R&I) TR: 1B-52H-2-7JG-9										
A5.6.4.3.1. Oil Temperature Indicator								-	-	-
A5.6.4.3.2. Engine Oil Temperature Selector Switch								-	-	-
A5.6.4.3.3. Oil Temperature Sensor								-	-	-
A5.6.4.4. Troubleshoot TR: 1B-52H-2-7GA-1								-	-	-
A5.6.5. Exhaust Gas Temperature (EGT) Indicating System										
A5.6.5.1. Theory of Operation TR: 1B-52H-2-7GA								-	-	-
A5.6.5.2. Perform operational check TR: 1B-52H-2-7JG-7, -8										
A5.6.5.2.1. Perform operational check								-	-	-
A5.6.5.2.2. Perform EGT Resistance Check								-	-	-
A5.6.5.2.3. Perform Accuracy and Adjustment Procedures								-	-	-
A5.6.5.3. Remove and install (R&I) TR: 1B-52H-2-7JG-9										
A5.6.5.3.1. EGT Indicator								-	-	-
A5.6.5.4. Troubleshoot TR: 1B-52H-2-7GA-1	*							-	-	-

B-52 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES										
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A5.7. FUEL FLOW INDICATING SYSTEM										
A5.7.1. Theory of Operation TR: 1B-52H-2-7GA								-	-	-
A5.7.2. Perform operational check TR: 1B-52H-2-7JG-8	*							-	-	-
A5.7.3. Remove and install (R&I) TR: 1B-52H-2-7JG-9										
A5.7.3.1. Fuel Flow Indicator								-	-	-
A5.7.3.2. Total Fuel Flow Indicator								-	-	-
A5.7.3.3. Fuel Flow Power Supply								-	-	-
A5.7.4. Troubleshoot TR: 1B-52H-2-7GA-1								-	-	-
A5.8. LIQUID QUANTITY INDICATING SYSTEM										
A5.8.1. Fuel Quantity Indicating System										
A5.8.1.1. Theory of Operation TR: 1B-52H-2-11GA								-	-	-
A5.8.1.2. Perform operational checks TR: 1B-52H-2-11JG-13										
A5.8.1.2.1. Perform operational check	*							-	-	-
A5.8.1.2.2. System Resistance/Capacitance checks	*							-	-	-
A5.8.1.3. Remove and install (R&I) TR: 1B-52H-2-11JG-13										
A5.8.1.3.1. Fuel Quantity Indicator								-	-	-
A5.8.1.3.2. Total Fuel Quantity Indicator								-	-	-
A5.8.1.4. Troubleshoot TR: 1B-52H-2-11GA-1	*							-	-	-
A5.8.2. Center of Gravity Fuel Level Advisory System										
A5.8.2.1. Theory of Operation TR: 1B-52H-2-11GA								-	-	-
A5.8.2.2. Perform operational check TR: 1B-52H-2-11JG-13								-	-	-

B-52 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A5.8.2.3. Remove and install (R&I) TR: 1B-52H-2-11JG-13										
A5.8.2.3.1. Control Panel Processor Unit								-	-	-
A5.8.2.3.2. Center of Gravity Display Unit								-	-	-
A5.8.2.3.3. Center of Gravity Display Unit Display Module								-	-	-
A5.8.2.4. Troubleshoot TR: 1B-52H-2-11GA-1								-	-	-
A5.9. HYDRAULIC PRESSURE INDICATING SYSTEMS										
A5.9.1. Theory of Operation TR: 1B-52H-2-6GA								-	-	-
A5.9.2. Perform operational check TR: 1B-52H-2-6JG-1								-	-	-
A5.9.3. Remove and install (R&I) Indicator TR: 1B-52H-2-6JG-2								-	-	-
A5.9.4. Troubleshoot TR: 1B-52H-2-6GA-1								-	-	-
A5.10. MISCELLANEOUS SYSTEMS										
A5.10.1. Crosswind Crab Position Indicating System										
A5.10.1.1. Theory of Operation TR: 1B-52H-2-10GA								-	-	-
A5.10.1.2. Perform operational check TR: 1B-52H-2-10JG-8								-	-	-
A5.10.1.3. Remove and install (R&I) TR: 1B-52H-2-10JG-8										
A5.10.1.3.1. Crosswind Crab Position Transmitter								-	-	-
A5.10.1.3.2. Crosswind Crab Position Indicator								-	-	-
A5.10.1.4. Transmitter Adjustment TR: 1B-52H-2-10JG-9								-	-	-
A5.10.1.5. Troubleshoot TR: 1B-52H-2-10GA								-	-	-

C-5 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC

ATTACHMENT 6 - C-5 Training Requirements

NOTE 1: The apprentice course will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.

NOTE 2: All course requirements are trained in the 3-level resident course during wartime. The 7-level in-residence course is not taught during wartime.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items marked in columns 2A or 2B marked with a */R are optional core tasks for ANG and AFRC.

NOTE 5: Items coded in column 4A will be trained using C-5 aircraft/systems. If C-5 aircraft/systems are unavailable, representative systems from other aircraft may be used.

NOTE 6: Address comments or recommended changes through the MAJCOM Functional Manager to the AETC Training Manager, at DSN 736-7891.

A6.1. GENERAL ORGANIZATIONAL MAINTENANCE TR: Applicable C-5 technical orders										
A6.1.1. Aircraft safe for maintenance	*							-	-	-
A6.1.2. FOD prevention								-	-	-
A6.1.3. Major structural areas								-	-	-
A6.1.4. Major systems								-	-	-
A6.1.5. Technical order familiarization								-	-	-
A6.1.6. Flightline safety/ precautions/ security								-	-	-
A6.1.7. Select/use safetying devices								-	-	-
A6.1.8. Enter/exit vertical stabilizer								-	-	-
A6.1.9. Aircraft egress procedures								-	-	-
A6.1.10. Fire Suppression System (FSS)								-	-	-
A6.1.11. Launch aircraft								-	-	-
A6.1.12. Recover aircraft								-	-	-
A6.2. GENERAL MAINTENANCE TASKS TR: Applicable C-5 technical orders										
A6.2.1. Inspection/operation portable external electrical power unit								-	-	-
A6.2.2. Inspect/use ground maintenance stands								-	-	-

C-5 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A6.2.3. Statically ground aircraft								-	-	-
A6.2.4. Aircraft Jacking										
A6.2.4.1. Jack aircraft								-	-	-
A6.2.4.2. Jacking supervisor								-	-	-
A6.2.4.3. Jacking team member								-	-	-
A6.2.5. Open and close engine cowling								-	-	-
A6.2.6. Remove/install aircraft maintenance access panels								-	-	-
A6.2.7. Use aircraft interphone system								-	-	-
A6.2.8. Tow aircraft										
A6.2.8.1. Wing-walker								-	-	-
A6.2.8.2. Brake operator								-	-	-
A6.2.8.3. Tow team supervisor								-	-	-
A6.2.8.4. Panel operator for power-on tow								-	-	-
A6.2.8.5. Marshall								-	-	-
A6.2.9. Refuel/Defuel										
A6.2.9.1. Team member								-	-	-
A6.2.9.2. Panel operator								-	-	-
A6.2.9.3. Supervisor								-	-	-
A6.2.9.4. Concurrent Servicing Supervisor (CSS)								-	-	-
A6.2.10. Kneel Team										
A6.2.10.1. Team member								-	-	-
A6.2.10.2. Panel operator								-	-	-
A6.2.10.3. Supervisor								-	-	-
A6.2.11. Dropped Object Prevention Program (DOPP)								-	-	-

C-5 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A6.2.12. Apply/disconnect external electrical power	*							-	-	-
A6.2.13. Team communications								-	-	-
A6.2.14. Ensure aircraft is safe for simulated airborne conditions								-	-	-
A6.2.15. Perform inspections										
A6.2.15.1. Postflight								-	-	-
A6.2.15.2. Preflight								-	-	-
A6.2.15.3. Thruflight								-	-	-
A6.2.15.4. Phase								-	-	-
A6.2.15.5. Periodic								-	-	-
A6.2.15.6. Isochronal								-	-	-
A6.2.15.7. Home Station Check (HSC)								-	-	-
A6.2.16. Service liquid nitrogen system								-	-	-
A6.2.17. Service liquid oxygen system (LOX)								-	-	-
A6.2.18. Remove and install a NLG wheel and tire assembly								-	-	-
A6.2.19. Remove and install a MLG wheel and tire assembly								-	-	-
A6.2.20. Remove and install a MLG brake assembly								-	-	-
A6.2.21. Operate forward and aft cargo door system								-	-	-
A6.2.22. Perform operational check of APU								-	-	-
A6.2.23. Perform operational check of ATM								-	-	-
A6.2.24. Perform engine run								-	-	-
A6.2.25. Pressurize hydraulics using ATM								-	-	-
A6.2.26. Pressurize hydraulics using hydraulic test stand								-	-	-
A6.2.27. Operate on-board heating/air conditioning system								-	-	-

C-5 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A6.2.28. Operate crew entrance door								-	-	-
A6.2.29. Service aircraft struts with nitrogen								-	-	-
A6.2.30. Service aircraft tires								-	-	-
A6.2.31. Service aircraft engine oil								-	-	-
A6.2.32. Service aircraft hydraulic reservoir								-	-	-
A6.2.33. Service aircraft engine CSD								-	-	-
A6.2.34. Service aircraft engine starter								-	-	-
A6.2.35. Service APU oil								-	-	-
A6.2.36. Service ATM oil								-	-	-
A6.2.37. Service aircraft accumulator with nitrogen								-	-	-
A6.2.38. Service aircraft slide/ejection bottles								-	-	-
A6.2.39. Remove/install engine fan stoppers/bottles								-	-	-
A6.2.40. Lubricate aircraft								-	-	-
A6.3. GENERAL FLIGHT CONTROLS										
A6.3.1. Position Indicating Systems										
A6.3.1.1. Landing Gear System TR: 1C-5A-2-10, 1C-5A-2-10JG-3, 1C-5A-2-10JG-4-2										
A6.3.1.1.1. Theory of Operation								-	-	-
A6.3.1.1.2. Perform operational checks								-	-	-
A6.3.1.1.3. Remove and install MLG position transmitter								-	-	-
A6.3.1.1.4. Troubleshoot to LRUs								-	-	-
A6.3.1.1.5. Troubleshoot to other than LRUs								-	-	-
A6.3.1.2. Caster/Power-Back System TR: 1C-5A-2-10, 1C-5A-2-10JG-3, 1C-5A-2-10JG-4-2										

C-5 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) (2) Crse CDC
A6.3.1.2.1. Theory of Operation								-	-	-
A6.3.1.2.2. Perform Complete Operation checks								-	-	-
A6.3.1.2.3. Perform Computer BITE check	*							-	-	-
A6.3.1.2.4. Remove and install Linear Voltage Differential Transducer (LVDT)								-	-	-
A6.3.1.2.5. Troubleshoot to LRUs								-	-	-
A6.3.1.2.6. Troubleshoot to other than LRUs								-	-	-
A6.3.1.3. Flaps/Slats TR: 1C-5A-2-9										
A6.3.1.3.1. Theory of Operation								-	-	-
A6.3.1.3.2. Perform operational checks										
A6.3.1.3.2.1. Flaps operational check with slats								-	-	-
A6.3.1.3.2.2. Flaps operational check without slats								-	-	-
A6.3.1.3.3. Remove and install Flap position transducer/transmitter								-	-	-
A6.3.1.3.4. Adjust flap position transducer/transmitter								-	-	-
A6.3.1.3.5. Troubleshoot to LRUs								-	-	-
A6.3.1.3.6. Troubleshoot to other than LRUs								-	-	-
A6.3.1.4. Flight Control Trim TR: 1C-5A-2-9										
A6.3.1.4.1. Theory of Operation								-	-	-
A6.3.1.4.2. Perform operational checks										
A6.3.1.4.2.1. Aileron								-	-	-
A6.3.1.4.2.2. Rudder								-	-	-
A6.3.1.4.2.3. Horizontal stabilizer	*							-	-	-
A6.3.1.4.3. Remove and install horizontal stabilizer position transducer								-	-	-

C-5 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A6.3.1.4.4. Adjust horizontal stabilizer position transducer								-	-	-
A6.3.1.4.5. Troubleshoot to LRUs	*							-	-	-
A6.3.1.4.6. Troubleshoot to other than LRUs								-	-	-
A6.3.2. Automatic Flight Control Systems (AFCS)										
A6.3.2.1. Autopilot TR: 1C-5A-2-9										
A6.3.2.1.1. Theory of Operation								-	-	-
A6.3.2.1.2. Perform operational checks										
A6.3.2.1.2.1. AFCS control panel								-	-	-
A6.3.2.1.2.2. VSF1 Marker Test (IAS, Mach, altitude)								-	-	-
A6.3.2.1.2.3. Computer BITE (Pitch)	*							-	-	-
A6.3.2.1.2.4. Computer BITE (Roll/yaw)								-	-	-
A6.3.2.1.2.5. Autopilot Engage/Disengage Overpower Test								-	-	-
A6.3.2.1.2.6. Control Wheel Steering (Pitch and Roll Rate)								-	-	-
A6.3.2.1.2.7. Heading Select/Hold								-	-	-
A6.3.2.1.2.8. Attitude and Altitude Hold								-	-	-
A6.3.2.1.2.9. Pitch Trim Interlock Test								-	-	-
A6.3.2.1.2.10. Autopilot interfacing systems/ components operational checks:								-	-	-
A6.3.2.1.2.11. MADAR II (pitch and roll autopilot)								-	-	-
A6.3.2.1.2.12. Elevator cable position (ECP), aileron cable position (ACP), flap position, and horizontal stabilizer position								-	-	-
A6.3.2.1.2.13. SCADC								-	-	-
A6.3.2.1.2.14. FSAS coupled vertical navigation mode								-	-	-
A6.3.2.1.2.15. Navigation Aids (Localizer, ILS, Glideslope, VOR, TACAN)								-	-	-

C-5 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) Crse (2) CDC
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	-	-	-
A6.3.2.1.3. Remove and install (R&I)										
A6.3.2.1.3.1. Pitch/roll servomotor	*							-	-	-
A6.3.2.1.3.2. Hub force sensor	*							-	-	-
A6.3.2.1.3.3. Control wheel/yoke	*							-	-	-
A6.3.2.1.3.4. Elevator cable position (ECP)/ aileron cable position (ACP) transducers								-	-	-
A6.3.2.1.4. Adjust:										
A6.3.2.1.4.1. Hub force sensors	*							-	-	-
A6.3.2.1.4.2. ECP/ACP transducers								-	-	-
A6.3.2.1.5. Troubleshoot to LRUs	*							-	-	-
A6.3.2.1.6. Troubleshoot to other than LRUs		*						-	-	-
A6.3.2.2. Autoland System TR: 1C-5A-2-9technical orders										
A6.3.2.2.1. Theory of Operation								-	-	-
A6.3.2.2.2. Perform operational checks								-	-	-
A6.3.2.2.3. Troubleshoot to LRUs								-	-	-
A6.3.2.2.4. Troubleshoot to other than LRUs								-	-	-
A6.3.2.3. Pilot Assist Cable Servo (PACS) Subsystem TR: 1C-5A-2-9										
A6.3.2.3.1. Theory of Operation								-	-	-
A6.3.2.3.2. Perform operational checks								-	-	-
A6.3.2.3.3. Remove and install PACS servos								-	-	-
A6.3.2.3.4. Troubleshoot to LRUs								-	-	-
A6.3.2.3.5. Troubleshoot to other than LRUs								-	-	-
A6.3.2.4. Stability Augmentation System TR: 1C-5A-2-9										
A6.3.2.4.1. Theory of Operation								-	-	-

C-5 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) Crse (2) CDC
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	-	-	-
A6.3.2.4.2. Perform operational checks										
A6.3.2.4.2.1. Pitch augmentation operational check	*							-	-	-
A6.3.2.4.2.2. Yaw augmentation operational check	*							-	-	-
A6.3.2.4.2.3. Lateral augmentation operational check	*							-	-	-
A6.3.2.4.3. Remove and install (R&I)										
A6.3.2.4.3.1. Shutoff valve								-	-	-
A6.3.2.4.3.2. Pressure switch								-	-	-
A6.3.2.4.3.3. Electro-hydraulic valve								-	-	-
A6.3.2.4.3.4. Linear variable differential transformer (LVDTs)								-	-	-
A6.3.2.4.4. Troubleshoot to LRUs	*							-	-	-
A6.3.2.4.5. Troubleshoot to other than LRUs		*						-	-	-
A6.3.2.5. Active Lift Distribution Control Subsystem (ALDCS) TR: 1C-5A-2-9										
A6.3.2.5.1. Theory of Operation								-	-	-
A6.3.2.5.2. Perform operational checks								-	-	-
A6.3.2.5.3. Remove and install ALDCS accelerometer								-	-	-
A6.3.2.5.4. Troubleshoot to LRUs								-	-	-
A6.3.2.5.5. Troubleshoot to other than LRUs								-	-	-
A6.3.2.6. Autothrottle TR: 1C-5A-2-9										
A6.3.2.6.1. Theory of Operation								-	-	-
A6.3.2.6.2. Perform operational checks								-	-	-
A6.3.2.6.3. Remove and install Autothrottle servo								-	-	-
A6.3.2.6.4. Adjust throttle position switches								-	-	-
A6.3.2.6.5. Troubleshoot to LRUs								-	-	-

C-5 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A6.3.2.6.6. Troubleshoot to other than LRUs								-	-	-
A6.3.2.7. Go-Around Attitude System (GAAS) TR: 1C-5A-2-9										
A6.3.2.7.1 Theory of Operation								-	-	-
A6.3.2.7.2. Perform operational checks								-	-	-
A6.3.2.7.3. Troubleshoot to LRUs								-	-	-
A6.3.2.7.4. Troubleshoot to other than LRUs								-	-	-
A6.4. GENERAL COMPUTER COMPLEX										
A6.4.1. On-Board Diagnostic Systems										
A6.4.1.1. Malfunction , Detection, Analysis, and Recording System (MADARS II) TR: 1C-5A-2-6, 1C-5A-102-1										
A6.4.1.1.1. Theory of Operation								-	-	-
A6.4.1.1.2. Perform operational checks								-	-	-
A6.4.1.1.3. Load multiplexing processor program								-	-	-
A6.4.1.1.4. Remove and install (R&I)										
A6.4.1.1.4.1. Maintenance data recorder (MDR)								-	-	-
A6.4.1.1.4.2. MDR tape cartridge								-	-	-
A6.4.1.1.4.3. Control display group								-	-	-
A6.4.1.1.4.4. EVI leads								-	-	-
A6.4.1.1.4.5. EVI pylon cables								-	-	-
A6.4.1.1.4.6. Load printout unit paper								-	-	-
A6.4.1.1.5. Troubleshoot to LRUs								-	-	-
A6.4.1.1.6. Troubleshoot to other than LRUs								-	-	-
A6.4.1.2. Loads Environment Spectra Survey (LESS) System TR: 1C-5A-2-6, 1C-5A-102-1										

C-5 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A6.4.1.2.1. Theory of Operation								-	-	-
A6.4.1.2.2. Perform operational checks								-	-	-
A6.4.1.2.3. Remove and install Stain Gages								-	-	-
A6.4.1.2.4. Troubleshoot to LRUs								-	-	-
A6.4.1.2.5. Troubleshoot to other than LRUs								-	-	-
A6.4.2. Mission Computer/FMS										
A6.4.2.1. Fuel Savings Advisory System (FSAS) TR: 1C-5A-2-8-2-1										
A6.4.2.1.1. Theory of Operation								-	-	-
A6.4.2.1.2. Perform operational checks								-	-	-
A6.4.2.1.3. Troubleshoot to LRUs								-	-	-
A6.4.2.1.4. Troubleshoot to other than LRUs								-	-	-
A6.4.2.2. Flight Management System (FMS-800) TR: 1C-5A-2-8-2-1										
A6.4.2.2.1. Theory of Operation								-	-	-
A6.4.2.2.2. Perform operational checks								-	-	-
A6.4.2.2.3. Troubleshoot to LRUs								-	-	-
A6.4.2.2.4. Troubleshoot to other than LRUs								-	-	-
A6.5. GENERAL NAVIGATION SYSTEMS										
A6.5.1. Secondary Flight Display System/Attitude Indicator TR: 1C-5A-2-6										
A6.5.1.1. Theory of Operation								-	-	-
A6.5.1.2. Perform operational checks								-	-	-
A6.5.1.3. Remove and install ADU								-	-	-
A6.5.1.4. Troubleshoot to LRUs								-	-	-
A6.5.1.5. Troubleshoot to other than LRUs								-	-	-

C-5 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A6.5.2. Flight Director System TR: 1C-5A-2-6										
A6.5.2.1. Theory of Operation								-	-	-
A6.5.2.2. Perform operational checks	*							-	-	-
A6.5.2.3. Remove and install Attitude Director Indicator	*							-	-	-
A6.5.2.4. Troubleshoot to LRUs	*							-	-	-
A6.5.2.5. Troubleshoot to other than LRUs		*						-	-	-
A6.5.3. Magnetic Standby Compass System TR: 1C-5A-2-6										
A6.5.3.1. Theory of Operation								-	-	-
A6.5.3.2. Perform operational checks								-	-	-
A6.5.3.3. Troubleshoot to LRUs								-	-	-
A6.5.3.4. Troubleshoot to other than LRUs								-	-	-
A6.5.4. Inertial Navigation System (INS) TR: 1C-5A-2-8-2-1										
A6.5.4.1. Theory of Operation								-	-	-
A6.5.4.2. Perform INS alignment procedures	*							-	-	-
A6.5.4.2. Perform Gimbal slew procedures								-	-	-
A6.5.4.3. Troubleshoot to LRUs								-	-	-
A6.5.4.4. Troubleshoot to other than LRUs								-	-	-
A6.6. FLIGHT INSTRUMENTS										
A6.6.1. Pitot-Static System TR: 1C-5A-2-6										
A6.6.1.1. Theory of Operation								-	-	-
A6.6.1.2. Perform inspection										
A6.6.1.2.1. Pitot tubes								-	-	-
A6.6.1.2.2. Pitot lines								-	-	-

C-5 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) Crse (2) CDC
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	-	-	-
A6.6.1.3. Perform operational checks										
A6.6.1.3.1. System leak check	*							-	-	-
A6.6.1.3.2. System heat check	*							-	-	-
A6.6.1.4. Remove and install (R&I)										
A6.6.1.4.1. Pitot-static lines/hoses								-	-	-
A6.6.1.4.2. Drain bottles								-	-	-
A6.6.1.4.3. Pitot-static tubes								-	-	-
A6.6.1.5. Troubleshoot to LRUs	*							-	-	-
A6.6.1.6. Troubleshoot to other than LRUs	*							-	-	-
A6.6.2. Altimeter (Barometric) TR: 1C-5A-2-6										
A6.6.2.1. Theory of Operation								-	-	-
A6.6.2.2. Perform operational checks								-	-	-
A6.6.2.3. Remove and install Altimeter								-	-	-
A6.6.2.4. Adjust altimeter								-	-	-
A6.6.2.5. Troubleshoot to LRUs								-	-	-
A6.6.2.6. Troubleshoot to other than LRUs								-	-	-
A6.6.3. Altitude/Vertical Velocity Indicator TR: 1C-5A-2-6										
A6.6.3.1. Theory of Operation								-	-	-
A6.6.3.2. Perform operational checks	*							-	-	-
A6.6.3.3. Troubleshoot to LRUs	*							-	-	-
A6.6.3.4. Troubleshoot to other than LRUs	*							-	-	-
A6.6.4. Indicated Airspeed Indicator TR: 1C-5A-2-6										
A6.6.4.1. Theory of Operation								-	-	-

C-5 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A6.6.4.2. Perform operational checks								-	-	-
A6.6.4.3. Remove and install Indicator								-	-	-
A6.6.4.4. Troubleshoot to LRUs								-	-	-
A6.6.4.5. Troubleshoot to other than LRUs								-	-	-
A6.6.5. Airspeed/Mach/Angle of Attack Indicator TR: 1C-5A-2-6										
A6.6.5.1. Theory of Operation								-	-	-
A6.6.5.2. Perform operational checks	*							-	-	-
A6.6.5.3. Troubleshoot to LRUs	*							-	-	-
A6.6.5.4. Troubleshoot to other than LRUs		*						-	-	-
A6.6.6. Accelerometer (G-Meter) TR: 1C-5A-2-6										
A6.6.6.1. Theory of Operation								-	-	-
A6.6.6.2. Perform operational checks								-	-	-
A6.6.6.3. Troubleshoot to LRU								-	-	-
A6.6.7. Total Air Temperature System TR: 1C-5A-2-6										
A6.6.7.1. Theory of Operation								-	-	-
A6.6.7.2. Perform operational checks								-	-	-
A6.6.7.3. Remove and install TAT Probe								-	-	-
A6.6.7.4. Troubleshoot to LRUs								-	-	-
A6.6.7.5. Troubleshoot to other than LRUs								-	-	-
A6.6.8. Angle-of Attack TR: 1C-5A-2-9										
A6.6.8.1. Theory of Operation								-	-	-
A6.6.8.2. Perform operational checks	*							-	-	-
A6.6.8.3. Remove and install (R&I)										

C-5 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A6.6.8.3.1. AOA transducer	*							-	-	-
A6.6.8.3.2. AOA transducer mount								-	-	-
A6.6.8.4. Adjust mount								-	-	-
A6.6.8.5. Troubleshoot to LRUs	*							-	-	-
A6.6.8.6. Troubleshoot to other than LRUs								-	-	-
A6.7. CENTRAL AIR DATA SYSTEM (CADC) TR: 1C-5A-2-6										
A6.7.1. Theory of Operation								-	-	-
A6.7.2. Perform operational checks										
A6.7.2.1. Standard central air data computer (SCADC) leak and accuracy check	*							-	-	-
A6.7.2.2. RVSM check								-	-	-
A6.7.2.3. SCADC BITE/manual test								-	-	-
A6.7.2.4. Vertical scale flight instrument	*							-	-	-
A6.7.2.5. Vertical velocity								-	-	-
A6.7.2.6. True airspeed								-	-	-
A6.7.3. Remove and install SCADC	*							-	-	-
A6.7.4. Troubleshoot to LRUs	*							-	-	-
A6.7.5. Troubleshoot to other than LRUs	*							-	-	-
A6.8. DIGITAL FLIGHT DATA RECORDER (DFDR) SYSTEM TR: 1C-5A-2-8-1-1										
A6.8.1. Theory of Operation								-	-	-
A6.8.2. Perform operational checks	*							-	-	-
A6.8.3. Remove and install Digital Flight Data Recorder								-	-	-
A6.8.4. Troubleshoot to LRUs								-	-	-
A6.8.5. Troubleshoot to other than LRUs								-	-	-

C-5 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A6.9. WARNING SYSTEMS										
A6.9.1. Ground proximity warning system TR: 1C-5A-2-8-2-1										
A6.9.1.1. Theory of Operation								-	-	-
A6.9.1.2. Perform operational checks	*							-	-	-
A6.9.1.3. Troubleshoot to LRUs	*							-	-	-
A6.9.1.4. Troubleshoot to other than LRUs								-	-	-
A6.9.2. Stallimiter System TR: 1C-5A-2-9										
A6.9.2.1. Theory of Operation								-	-	-
A6.9.2.2. Perform operational checks	*							-	-	-
A6.9.2.3. Remove and install Stallimiter shaker motor								-	-	-
A6.9.2.4. Troubleshoot to LRUs	*							-	-	-
A6.9.2.5. Troubleshoot to other than LRUs								-	-	-
A6.10. ENGINE INDICATING SYSTEMS										
A6.10.1. Temperature										
A6.10.1.1. Engine Oil Temperature Indicating System TR: 1C-5A-2-4										
A6.10.1.1.1. Theory of Operation								-	-	-
A6.10.1.1.2. Perform operational checks	*							-	-	-
A6.10.1.1.3. Troubleshoot to LRUs	*							-	-	-
A6.10.1.1.4. Troubleshoot to other than LRUs								-	-	-
A6.10.1.2. CSD Oil Temperature Indicating System TR: 1C-5A-2-4										
A6.10.1.2.1. Theory of Operation								-	-	-
A6.10.1.2.2. Perform operational checks								-	-	-

C-5 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) (2) Crse CDC
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	-	-	-
A6.10.1.2.3. Troubleshoot to LRUs								-	-	-
A6.10.1.2.4. Troubleshoot to other than LRUs								-	-	-
A6.10.1.3. Fuel Temperature Indicating System TR: 1C-5A-2-4										
A6.10.1.3.1. Theory of Operation								-	-	-
A6.10.1.3.2. Perform operational checks	*							-	-	-
A6.10.1.3.3. Troubleshoot to LRUs	*							-	-	-
A6.10.1.3.4. Troubleshoot to other than LRUs								-	-	-
A6.10.1.4. Turbine Inlet Temperature Indicating System TR: 1C-5A-2-4										
A6.10.1.4.1. Theory of Operation								-	-	-
A6.10.1.4.2. Perform operational checks	*							-	-	-
A6.10.1.4.3. Troubleshoot to LRUs	*							-	-	-
A6.10.1.4.4. Troubleshoot to other than LRUs								-	-	-
A6.10.1.5. APU Exhaust Gas Temperature Indicating System TR: 1C-5A-2-4										
A6.10.1.5.1. Theory of Operation								-	-	-
A6.10.1.5.2. Perform operational checks								-	-	-
A6.10.1.5.3. Troubleshoot to LRUs								-	-	-
A6.10.1.5.4. Troubleshoot to other than LRUs								-	-	-
A6.10.2. Engine RPM Indicating System/Tachometer TR: 1C-5A-2-4										
A6.10.2.1. Theory of Operation								-	-	-
A6.10.2.2. Perform operational checks										
A6.10.2.2.1. N1 operational check								-	-	-
A6.10.2.2.2. N2 operational check								-	-	-

C-5 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A6.10.2.3. Remove and install N1 tachometer generator								-	-	-
A6.10.2.4. Troubleshoot to LRUs								-	-	-
A6.10.2.5. Troubleshoot to other than LRUs								-	-	-
A6.10.3. Pressure Indicating Systems										
A6.10.3.1. Engine Oil Pressure Indicating System TR: 1C-5A-2-4										
A6.10.3.1.1. Theory of Operation								-	-	-
A6.10.3.1.2. Perform operational checks	*							-	-	-
A6.10.3.1.3. Remove and install Oil pressure transmitter								-	-	-
A6.10.3.1.4. Troubleshoot to LRUs	*							-	-	-
A6.10.3.1.5. Troubleshoot to other than LRUs								-	-	-
A6.10.3.2. Fuel Pressure Indicating System TR: 1C-5A-2-5										
A6.10.3.2.1. Theory of Operation								-	-	-
A6.10.3.2.2. Perform operational checks								-	-	-
A6.10.3.2.3. Remove and install Fuel pressure transmitter								-	-	-
A6.10.3.2.4. Troubleshoot to LRUs								-	-	-
A6.10.3.2.5. Troubleshoot to other than LRUs								-	-	-
A6.11. HYDRAULIC PRESSURE INDICATING SYSTEM TR: 1C-5A-2-3										
A6.11.1. Theory of Operation								-	-	-
A6.11.2. Perform operational checks								-	-	-
A6.11.3. Remove and install Hydraulic pressure transmitter								-	-	-
A6.11.4. Troubleshoot to LRUs								-	-	-
A6.11.5. Troubleshoot to other than LRUs								-	-	-

C-5 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A6.12. FUEL FLOW INDICATING SYSTEM TR: 1C-5A-2-4										
A6.12.1 Theory of Operation								-	-	-
A6.12.2. Perform operational checks	*							-	-	-
A6.12.3. Troubleshoot to LRUs	*							-	-	-
A6.12.4. Troubleshoot to other than LRUs								-	-	-
A6.13. LIQUID QUANTITY INDICATING SYSTEMS										
A6.13.1. Hydraulic Quantity Indicating System TR: 1C-5A-2-3										
A6.13.1.1. Theory of Operation								-	-	-
A6.13.1.2. Perform operational checks								-	-	-
A6.13.1.3. Troubleshoot to LRUs								-	-	-
A6.13.1.4. Troubleshoot to other than LRUs								-	-	-
A6.13.2. Fuel Quantity Indicating System TR: 1C-5A-2-5										
A6.13.2.1. Theory of Operation	*							-	-	-
A6.13.2.2. Perform operational checks										
A6.13.2.2.1. Flight deck operational check	*							-	-	-
A6.13.2.2.2. Wing tank boundary operational check								-	-	-
A6.13.2.2.3. Sump low level system check	*							-	-	-
A6.13.2.2.4. Main tank low	*							-	-	-
A6.13.2.3. Adjust/Calibrate										
A6.13.2.3.1. Calibrate indicator (primary alternate)	*							-	-	-
A6.13.2.3.2. Calibrate fuel totalizer indicator								-	-	-
A6.13.2.4. Remove and install (R&I)										
A6.13.2.4.1. Fuel probes								-	-	-

C-5 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A6.13.2.4.2. Sump low level sensor								-	-	-
A6.13.2.4.3. Safe tank(s) for flight								-	-	-
A6.13.2.5. Troubleshoot to LRUs	*							-	-	-
A6.13.2.6. Troubleshoot to other than LRUs								-	-	-
A6.14. USE TEST EQUIPMENT TR: Applicable 1C-5A-2 technical orders										
A6.14.1. Data bus breakout board								-	-	-
A6.14.2. AFCS breakout board/box	*							-	-	-
A6.14.3. ECP/ACP breakout board/box								-	-	-
A6.14.4. Augmentation servo loop test box	*							-	-	-
A6.14.5. DSC-101 vibe tester	*							-	-	-
A6.14.6. Fuel totalizer test set								-	-	-
A6.14.7. Instrument test set								-	-	-

C-9 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC

ATTACHMENT 7 - C-9 Training Requirements

NOTE 1: The apprentice course will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.

NOTE 2: All course requirements are trained in the 3-level resident course during wartime. The 7-level in-residence course is not taught during wartime.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items marked in columns 2A or 2B marked with a */R are optional core tasks for ANG and AFRC.

NOTE 5: Items coded in column 4A will be trained using C-9 aircraft/systems. If C-9 aircraft/systems are unavailable, representative systems from other aircraft may be used.

NOTE 6: Address comments or recommended changes through the MAJCOM Functional Manager to the AETC Training Manager, at DSN 736-7891.

A7.1. General Organizational Maintenance TR: Applicable C-9 technical orders										
A7.1.1. Welcome/Orientation								-	-	-
A7.1.2. Technical Order Familiarization								-	-	-
A7.1.3. Flight-Line Safety/Precautions/Security	*							-	-	-
A7.1.4. Introduction to Aircraft/Airframe Familiarization/Egress	*							-	-	-
A7.1.5. Inspect/Use Ground Maintenance Stands	*							-	-	-
A7.1.6. Team Communication Training								-	-	-
A7.2. GENERAL MAINTENANCE TASKS TR: Applicable C-9 technical orders										
A7.2.1. FOD Prevention/DOPP								-	-	-
A7.2.2. Static Grounding								-	-	-
A7.2.3. Remove and install (R&I) Maintenance Panels								-	-	-
A7.2.4. Open/Close Engine Cowling								-	-	-
A7.2.5. Apply Hydraulic Power								-	-	-
A7.2.6. Aircraft Egress Procedures								-	-	-
A7.2.7. Launch/Recover Aircraft								-	-	-
A7.2.8. Wing/Tail Walker								-	-	-

C-9 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A7.2.9. Marshall								-	-	-
A7.2.10. Refuel/Defuel Team Member								-	-	-
A7.2.11. Jack Team Member								-	-	-
A7.2.12. Perform Aircraft Phase/Periodic/ISO								-	-	-
A7.2.13. Apply Power using:										
A7.2.13.1. APU/GTC								-	-	-
A7.2.13.2. Generator Set	*							-	-	-
A7.2.14. Use Interphone								-	-	-
A7.2.15. Defense Systems Familiarization								-	-	-
A7.2.16. VHF Communication Use								-	-	-
A7.2.17. Team Communication								-	-	-
A7.3. GENERAL FLIGHT CONTROLS										
A7.3.1. Slats System										
A7.3.1.1. Theory of Operation								-	-	-
A7.3.1.2. Operate System								-	-	-
A7.3.2. Flap Position Indicating System TR: IC-9A-2-27										
A7.3.2.1. Theory of Operation								-	-	-
A7.3.2.2. Perform operational check	*							-	-	-
A7.3.2.3. Adjust Flap Position Transmitter								-	-	-
A7.3.2.4. Troubleshoot								-	-	-
A7.3.3. Autopilot System TR: 1C-9A-2-22-10										
A7.3.3.1. Theory of Operation								-	-	-
A7.3.3.2. Perform operational check	*							-	-	-
A7.3.3.3. Remove and install (R&I)										

C-9 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A7.3.3.3.1. Drum and Bracket Assembly								-	-	-
A7.3.3.3.2. Alternate Trim Motor								-	-	-
A7.3.3.3.3. Alternate Trim Motor Power Supply								-	-	-
A7.3.3.4. Troubleshoot								-	-	-
A7.3.4. Speed Command System TR: 1C-9A-2-34-19										
A7.3.4.1. Theory of Operation								-	-	-
A7.3.4.2. Perform operational check	*							-	-	-
A7.3.4.3. Troubleshoot								-	-	-
A7.3.5. Automatic Throttle Control System TR: 1C-9A-2-22-30										
A7.3.5.1. Theory of Operation								-	-	-
A7.3.5.2. Perform operational check	*							-	-	-
A7.3.5.3. Remove and install (R&I)										
A7.3.5.3.1. ATS Motor								-	-	-
A7.3.5.3.2. Microswitch								-	-	-
A7.3.5.4. Adjust Microswitch								-	-	-
A7.3.5.5. Troubleshoot								-	-	-
A7.3.6. Yaw Damper System TR: 1C-9A-2-22-11										
A7.3.6.1. Theory of Operation								-	-	-
A7.3.6.2. Perform operational check	*							-	-	-
A7.3.6.3. Remove and install (R&I)		*								
A7.3.6.3.1. Yaw Damper Actuator								-	-	-
A7.3.6.4. Adjust Null Actuator		*						-	-	-
A7.3.6.5. Troubleshoot								-	-	-

C-9 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A7.3.7. Mach Trim System TR: 1C-9A-2-22-20										
A7.3.7.1. Theory of Operation								-	-	-
A7.3.7.2. Perform operational check	*							-	-	-
A7.3.7.3. Remove and install (R&I)		*								
A7.3.7.3.1. Mach Trim Actuator								-	-	-
A7.3.7.4. Adjust Null Actuator		*						-	-	-
A7.3.7.5. Troubleshoot								-	-	-
A7.4. GENERAL COMPUTER COMPLEX										
A7.4.1. Flight Management System (FMS-800) TR: 1C-9A-2-34-60										
A7.4.1.1. Theory of Operation								-	-	-
A7.4.1.2. Perform operational check	*							-	-	-
A7.4.1.3. Load and Verify OFP								-	-	-
A7.4.1.4. Troubleshoot								-	-	-
A7.4.2. Electronic Horizontal Situation Indicator TR: 1C-9A-2-34-21/1C-9A-2-34-25										
A7.4.2.1. Theory of Operation								-	-	-
A7.4.2.2. Perform operational check	*							-	-	-
A7.4.2.3. Remove and install (R&I)										
A7.4.2.3.1. Symbol Generator								-	-	-
A7.4.2.3.2. Electronic Horizontal Situation Indicator								-	-	-
A7.4.2.4. Verify Symbol Generator Program	*							-	-	-
A7.4.2.5. Load/Change Program	*							-	-	-
A7.4.2.6. Troubleshoot								-	-	-
A7.4.3. 1553B Data Bus System TR: 1C-9A-2-34-60										

C-9 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A7.4.3.1. Theory of Operation								-	-	-
A7.4.3.2. Perform operational check								-	-	-
A7.4.3.3. Troubleshoot								-	-	-
A7.5. GENERAL NAVIGATION SYSTEMS										
A7.5.1. Flight Director System TR: 1C-9A-2-34-25										
A7.5.1.1. Theory of Operation								-	-	-
A7.5.1.2. Perform operational check	*							-	-	-
A7.5.1.3. Troubleshoot								-	-	-
A7.5.2. Horizon Indication System TR: 1C-9A-2-34-20										
A7.5.2.1. Theory of Operation								-	-	-
A7.5.2.2. Perform operational check								-	-	-
A7.5.2.3. Troubleshoot								-	-	-
A7.5.3. Compass System TR: 1C-9A-2-34-21										
A7.5.3.1. Theory of Operation								-	-	-
A7.5.3.2. Perform operational check	*							-	-	-
A7.5.3.3. Remove and install (R&I) Flux Valve								-	-	-
A7.5.4. Standby Magnetic Compass TR: 1C-9A-2-34-22										
A7.5.4.1. Theory of Operation								-	-	-
A7.5.4.2. Adjust Standby Magnetic Compass								-	-	-
A7.5.5. Compass System Calibration										
A7.5.5.1. Theory of Operation								-	-	-
A7.5.5.2. Index Remote Compass Transmitter	*							-	-	-
A7.5.5.3. Perform Alternate Method Compass Swing Using INS	*							-	-	-

C-9 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) Crse (2) CDC
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials			
A7.5.6. Inertial Navigation System TR: 1C-9A-2-34-46										
A7.5.6.1. Theory of Operation								-	-	-
A7.5.6.2. Perform operational check	*							-	-	-
A7.5.6.3. Troubleshoot								-	-	-
A7.6. FLIGHT INSTRUMENTS										
A7.6.1. Pitot-Static System TR: 1C-9A-2-34-12										
A7.6.1.1. Theory of Operation								-	-	-
A7.6.1.2. Perform operational check	*							-	-	-
A7.6.1.3. Perform Leak Check	*							-	-	-
A7.6.1.4. Remove and install (R&I) Components										
A7.6.1.4.1. Pitot Probe								-	-	-
A7.6.1.4.2. Flush Mount Static Ports								-	-	-
A7.6.1.5. Purge System								-	-	-
A7.6.1.6. Troubleshoot								-	-	-
A7.6.2. Rudder Limiter Probe Heat/Pitot Heat System TR: 1C-9A-2-30-30										
A7.6.2.1. Theory of Operation								-	-	-
A7.6.2.2. Perform operational check								-	-	-
A7.6.2.3. Troubleshoot								-	-	-
A7.6.3. Altimeter (Barometric) TR: 1C-9A-2-34-10										
A7.6.3.1. Theory of Operation								-	-	-
A7.6.3.2. Perform operational check	*							-	-	-
A7.6.3.3. Troubleshoot								-	-	-
A7.6.4. TCAS/Vertical Speed Indicator TR: 1C-9A-2-34-10, 1C-9A-2-34-45-3										

C-9 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) Crse (2) CDC
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	-	-	-
A7.6.4.1. Theory of Operation								-	-	-
A7.6.4.2. Perform operational check	*							-	-	-
A7.6.4.3. Troubleshoot								-	-	-
A7.6.5. Mach/Airspeed Indicator TR: 1C-9A-2-34-10										
A7.6.5.1. Theory of Operation								-	-	-
A7.6.5.2. Perform operational check	*							-	-	-
A7.6.5.3. Troubleshoot								-	-	-
A7.6.6. Turn and Slip Indicator TR: 1C-9A-2-34-28										
A7.6.6.1. Theory of Operation								-	-	-
A7.6.6.2. Perform operational check								-	-	-
A7.6.6.3. Troubleshoot								-	-	-
A7.6.7. Standby Attitude Indicator TR: 1C-9A-2-34-24										
A7.6.7.1. Theory of Operation								-	-	-
A7.6.7.2. Perform operational check	*							-	-	-
A7.6.7.3. Troubleshoot								-	-	-
A7.6.8. Ram Air Temperature System										
A7.6.8.1. Theory of Operation								-	-	-
A7.6.8.2. Perform operational check								-	-	-
A7.6.8.3. Remove and install (R&I) Probe								-	-	-
A7.6.8.4. Troubleshoot								-	-	-
A7.7. AIR DATA SYSTEMS										
A7.7.1. Air Data Computer System TR: 1C-9A-2-34								-	-	-
A7.7.1.1. Theory of Operation								-	-	-

C-9 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) Crse (2) CDC
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials			
A7.7.1.2. Perform operational check	*							-	-	-
A7.7.1.3. Troubleshoot								-	-	-
A7.7.2. Rudder Limiter System TR: 1C-9A-2-34										
A7.7.2.1. Theory of Operation								-	-	-
A7.7.2.2. Perform operational check	*							-	-	-
A7.7.2.3. Perform Leak Check								-	-	-
A7.7.2.4. Remove and install (R&I) Probes								-	-	-
A7.7.2.5. Troubleshoot								-	-	-
A7.8. DATA RECORDERS										
A7.8.1. Flight Data Recorder System TR: 1C-9A-2-31-22										
A7.8.1.1. Theory of Operation								-	-	-
A7.8.1.2. Perform operational check								-	-	-
A7.8.1.3. Troubleshoot								-	-	-
A7.9. WARNING SYSTEMS										
A7.9.1. Enhanced Ground Proximity Warning System TR: IC-9A-2-34-10,										
A7.9.1.1. Theory of Operation								-	-	-
A7.9.1.2. Perform operational check	*							-	-	-
A7.9.1.3. Troubleshoot								-	-	-
A7.9.2. Failure Monitor System										
A7.9.2.1. Theory of Operation								-	-	-
A7.9.2.2. Perform operational check	*							-	-	-
A7.9.2.3. Troubleshoot								-	-	-
A7.9.3. Angle-of-Attack/Stall Warning System TR: 1C-9A-2-34-14										

C-9 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A7.9.3.1. Theory of Operation								-	-	-
A7.9.3.2. Perform operational check	*							-	-	-
A7.9.3.3. Troubleshoot								-	-	-
A7.9.4. Overspeed Warning System TR: IC-9A-2-34-10										
A7.9.4.1. Theory of Operation								-	-	-
A7.9.4.2. Perform operational check	*							-	-	-
A7.9.4.3. Troubleshoot								-	-	-
A7.9.5. Altitude Alerter System										
A7.9.5.1. Theory of Operation								-	-	-
A7.9.5.2. Perform operational check								-	-	-
A7.9.5.3. Troubleshoot								-	-	-
A7.10. ENGINE INDICATING SYSTEMS										
A7.10.1. Engine Oil Temperature Indicating System TR: 1C-9A-2-79-34										
A7.10.1.1. Theory of Operation								-	-	-
A7.10.1.2. Perform operational check	*							-	-	-
A7.10.1.3. Troubleshoot								-	-	-
A7.10.2. CSD Oil Temperature Indicating System TR: 1C-9A-2-24-10-4										
A7.10.2.1. Theory of Operation								-	-	-
A7.10.2.2. Perform operational check								-	-	-
A7.10.2.3. Troubleshoot								-	-	-
A7.10.3. Fuel Temperature Indicating System TR: 1C-9A-2-73-30-3										
A7.10.3.1. Theory of Operation								-	-	-
A7.10.3.2. Perform operational check								-	-	-

C-9 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A7.10.3.3. Troubleshoot								-	-	-
A7.10.4. Brake Temperature Indicating System TR: 1C-9A-2-32-42-7										
A7.10.4.1. Theory of Operation								-	-	-
A7.10.4.2. Perform operational check								-	-	-
A7.10.4.3. Troubleshoot								-	-	-
A7.10.5. Engine EGT Indicating System TR: 1C-9A-2-77-20										
A7.10.5.1. Theory of Operation								-	-	-
A7.10.5.2. Perform operational check	*							-	-	-
A7.10.5.3. Troubleshoot								-	-	-
A7.10.6. APU EGT Indicating System TR: 1C-9A-2-77										
A7.10.6.1. Theory of Operation								-	-	-
A7.10.6.2. Perform operational check								-	-	-
A7.10.6.3. Troubleshoot								-	-	-
A7.10.7. Engine RPM Indicating System TR: 1C-9A-2-77-12										
A7.10.7.1. Theory of Operation								-	-	-
A7.10.7.2. Perform operational check	*							-	-	-
A7.10.7.3. Troubleshoot								-	-	-
A7.10.8. APU RPM Indicating System TR: 1C-9A-2-77										
A7.10.8.1. Theory of Operation								-	-	-
A7.10.8.2. Perform operational check								-	-	-
A7.10.8.3. Troubleshoot								-	-	-
A7.10.9. Engine Pressure Ratio System TR: 1C-9A-2-77-11										
A7.10.9.1. Theory of Operation								-	-	-

C-9 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A7.10.9.2. Perform operational check	*							-	-	-
A7.10.9.3. Leak Check System	*							-	-	-
A7.10.9.4. Troubleshoot								-	-	-
A7.10.10. Engine Oil Pressure Indicating System TR: 1C-9A-2-79-32										
A7.10.10.1. Theory of Operation								-	-	-
A7.10.10.2. Perform operational check	*							-	-	-
A7.10.10.3. Troubleshoot								-	-	-
A7.10.11. Fuel Flow Indicating System										
A7.10.11.1. Theory of Operation								-	-	-
A7.10.11.2. Perform operational check								-	-	-
A7.10.11.3. Troubleshoot								-	-	-
A7.11. LIQUID QUANTITY INDICATING SYSTEMS										
A7.11.1. Fuel Quantity Indicating System TR: 1C-9A-2-28-40										
A7.11.1.1. Theory of Operation								-	-	-
A7.11.1.2. Perform operational check	*							-	-	-
A7.11.1.3. Calibrate using										
A7.11.1.3.1. Alternate Method	*							-	-	-
A7.11.1.3.2. Preferred Method	*							-	-	-
A7.11.1.4. Troubleshoot								-	-	-
A7.11.2. Total Fuel Quantity Indicating System TR: 1C-9A-2-28-40										
A7.11.2.1. Theory of Operation								-	-	-
A7.11.2.2. Perform operational check								-	-	-
A7.11.2.3. Troubleshoot								-	-	-

C-9 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A7.11.3. Crew Oxygen Quantity Indicating System TR: 1C-9A-2-35										
A7.11.3.1. Theory of Operation								-	-	-
A7.11.3.2. Perform operational check	*							-	-	-
A7.11.3.3. Calibrate	*							-	-	-
A7.11.3.4. Troubleshoot								-	-	-
A7.11.4. Patient Oxygen Quantity Indicating System TR: 1C-9A-2-28-40										
A7.11.4.1. Theory of Operation								-	-	-
A7.11.4.2. Perform operational check								-	-	-
A7.11.4.3. Calibrate								-	-	-
A7.11.4.4. Troubleshoot								-	-	-
A7.11.5. Engine Oil Quantity Indicating System TR: 1C-9A-2-79-31,										
A7.11.5.1. Theory of Operation								-	-	-
A7.11.5.2. Perform operational check								-	-	-
A7.11.5.3. Troubleshoot								-	-	-
A7.12. HYDRAULIC INDICATING SYSTEMS										
A7.12.1 Hydraulic Pressure Indicating System TR: 1C-9A-2-29-30-2										
A7.12.1.1. Theory of Operation								-	-	-
A7.12.1.2. Perform operational check								-	-	-
A7.12.1.3. Troubleshoot								-	-	-
A7.12.2. Brake Pressure Indicating System TR: 1C-9A-2-29-30										
A7.12.2.1. Theory of Operation								-	-	-
A7.12.2.2. Perform operational check								-	-	-
A7.12.2.3. Troubleshoot								-	-	-

C-9 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES										
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A7.12.3. Hydraulic Quantity Indicating System TR: 1C-9A-2-29-30-1										
A7.12.3.1. Theory of Operation								-	-	-
A7.12.3.2. Perform operational check								-	-	-
A7.12.3.3. Troubleshoot								-	-	-
A7.13. MISCELLANEOUS										
A7.13.1. Clocks (Digital) TR: 1C-9A-2-31-21										
A7.13.1.1. Theory of Operation								-	-	-
A7.13.1.2. Perform operational check								-	-	-
A7.13.1.3. Troubleshoot								-	-	-
A7.14. TEST EQUIPMENT TR:										
A7.14.1. Autopilot Sperry 50-50A Test Set	*							-	-	-
A7.14.2. Fuel Flow Tester 4753880-503	*							-	-	-

C-17 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse

ATTACHMENT 8 - C-17 Training Requirements

NOTE 1: The apprentice course will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.

NOTE 2: All course requirements are trained in the 3-level resident course during wartime. The 7-level in-residence course is not taught during wartime.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items marked in columns 2A or 2B marked with a */R are optional core tasks for ANG and AFRC.

NOTE 5: Items coded in column 4A will be trained using C-17 aircraft/systems. If C-17 aircraft/systems are unavailable, representative systems from other aircraft may be used.

NOTE 6: Address comments or recommended changes through the MAJCOM Functional Manager to the AETC Training Manager, at DSN 736-7891.

A8.1. GENERAL ORGANIZATION MAINTENANCE TR: TO 00-5-1, 00-5-2, AFR 5-1, AFR 8-2, AFI 91-301, 00-00-02-1, 25JG-60-1, 05JG-10-1, 35C2 Series, 40GS-00-1, 40JG-20-1										
A8.1.1. Welcome/orientation								-	-	-
A8.1.2. Technical Order Familiarization								-	-	-
A8.1.3. Flightline Safety/Precautions/Security								-	-	-
A8.1.4. Enter/Exit Vertical Stabilizer								-	-	-
A8.1.5. Aircraft Egress Procedures								-	-	-
A8.1.6. Underfloor Tunnel Entry Procedures (power on/off)								-	-	-
A8.2. GENERAL MAINTENANCE TASKS TR: TO 10JG-60-1, 10JG-00-1, 00GV-00-1, 1C-17A-23, 71JG-00-1, 09JG-00-1, AFI 11-218, 12JG-28-1, 07JG-00-1, 49JG-00-1, 23JG-50-1, 23JG-40-1, 35C2 Series, 23JG-00-1										
A8.2.1. Ensure Aircraft Safe For Maintenance	*							-	-	-
A8.2.2. Use Ground Safety Devices										
A8.2.2.1. Select/Use Safetying Devices								-	-	-
A8.2.2.2. Rudder Ground Safety Lock								-	-	-

C-17 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A8.2.2.3. Elevator Ground Safety Lock								-	-	-	-
A8.2.2.4. Aileron Ground Safety Lock								-	-	-	-
A8.2.2.5. Flap/Slat Ground Safety Lock								-	-	-	-
A8.2.3. Use Rig Pin								-	-	-	-
A8.2.4. Operate External Electrical Power Unit	*							-	-	-	-
A8.2.5. Operate/View/Erase Faults on Maintenance Monitor Panel								-	-	-	-
A8.2.6. Perform Aircraft Inspections											
A8.2.6.1. Phase Inspection								-	-	-	-
A8.2.6.2. Periodic Inspection								-	-	-	-
A8.2.6.3. Isochronal Inspection								-	-	-	-
A8.2.7. Use Rudder Protractor								-	-	-	-
A8.2.8. Team Communication Training								-	-	-	-
A8.2.9. Static Grounding								-	-	-	-
A8.2.10. Remove and install (R&I) Maintenance Panels								-	-	-	-
A8.2.11. Open/Close Engine Cowling								-	-	-	-
A8.2.12. Launch/Recover Aircraft								-	-	-	-
A8.2.13. Perform Towing Duties											
A8.2.13.1. Wing/Tail Walker								-	-	-	-
A8.2.13.2. Brake Operator								-	-	-	-
A8.2.13.3. Perform Marshalling Procedures								-	-	-	-
A8.2.14. Refuel/Defuel Member								-	-	-	-
A8.2.15. Jack Team Member								-	-	-	-
A8.2.16. Apply Power Using:											
A8.2.16.1. APU								-	-	-	-

C-17 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A8.2.16.2. External Electrical Power Unit	*							-	-	-	-
A8.2.17. Operate Cargo/Maintenance Interphone System								-	-	-	-
A8.2.18. Operate flight Station Interphone System								-	-	-	-
A8.3. GENERAL FLIGHT CONTROLS											
A8.3.1 Electronic Flight Control System TR: TO 22GS-00-1, 27GS-00-1, 22JG-10-1, 1C-17A-1, 22JG-10-02, 22JG-11-11-5, 23JG-40-1, 29JG-20-1, 12JG-29-1, 34JG-60-1, 22JG-10-1, 22JG-10-2, 25JG-10-1, 27JG-30-5, 25JG-10-1, 22FI-00-1, 27JG-25-10, 27JG-45-10, 27JG-12-11											
A8.3.1.1. Theory of Operation								-	-	-	-
A8.3.1.2. Perform operational checks	*							-	-	-	-
A8.3.1.3. Perform preflight BITS:											
A8.3.1.3.1. Electrical								-	-	-	-
A8.3.1.3.2. Hydraulic								-	-	-	-
A8.3.1.4. Perform Flight Control Computer Initialization	*							-	-	-	-
A8.3.1.5. Perform Minor Rig	*							-	-	-	-
A8.3.1.6. Perform Major Rig		*						-	-	-	-
A8.3.1.7. Remove and install (R&I)											
A8.3.1.7.1. Pitch/Roll Ratio Changer								-	-	-	-
A8.3.1.7.2. Pitch/Roll/Rudder Position Sensors								-	-	-	-
A8.3.1.7.3. Control Stick Sensor Assembly								-	-	-	-
A8.3.1.7.4. Rudder Pedal Force Transducer								-	-	-	-
A8.3.1.7.5. Flight Actuator Panel								-	-	-	-
A8.3.1.8. Troubleshoot system								-	-	-	-

C-17 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A8.3.2. Trim Subsystem TR: TO 22GS-00-1, 1C-17A-1, 27JG-18-10, 10JG-00-1, 27JG-10-1, 27JG-10-2, 27JG-10-3, 49JG-00-1, 29JG-20-1, 27JG-20-1, 27JG-20-2, 27JG-20-3, 27JG-20-4, 27JG-20-5, 27JG-40-1, 27JG-40-2, 27JG-40-3, 27JG-40-4											
A8.3.2.1. Theory of Operation								-	-	-	-
A8.3.2.2. Perform operational check:											
A8.3.2.2.1. Aileron								-	-	-	-
A8.3.2.2.2. Rudder								-	-	-	-
A8.3.2.2.3. Horizontal Stabilizer								-	-	-	-
A8.3.2.3. Remove and install (R&I)											
A8.3.2.3.1. Rudder Trim Actuator								-	-	-	-
A8.3.2.4. Troubleshoot system								-	-	-	-
A8.3.3. Spoiler Control/Electronic Flap Computer TR: TO 27GS-00-1, 1C-17A-1, 27JG-60-1, 27JG-50-1, 29JG-20-1, 12JG-29-1, 31JG-60-1, 34JG-60-1, 49JG-00-1, 23JG-50-1, 23JG-10-3								-	-	-	-
A8.3.3.1. Theory of Operation								-	-	-	-
A8.3.3.2. Perform operational check	*							-	-	-	-
A8.3.3.3. Perform preflight BITS:											
A8.3.3.3.1. Electrical								-	-	-	-
A8.3.3.3.2. Hydraulic								-	-	-	-
A8.3.3.4. Perform Minor Rig	*							-	-	-	-
A8.3.3.5. Perform Major Rig		*						-	-	-	-
A8.3.3.6. Perform SCEFC Initialization								-	-	-	-
A8.3.3.7. Operate Flaps with Slats								-	-	-	-
A8.3.3.8. Operate Flaps without Slats								-	-	-	-

C-17 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A8.3.3.9. Remove and install (R&I)											
A8.3.3.9.1. Extend Slat Proximity Sensors								-	-	-	-
A8.3.3.9.2. Retract Slat Proximity Sensors								-	-	-	-
A8.3.3.9.3. Flap Position Transducer								-	-	-	-
A8.3.3.9.4. Slat Linear Actuator								-	-	-	-
A8.3.3.10. Adjust Transducer								-	-	-	-
A8.3.3.11. Troubleshoot system								-	-	-	-
A8.3.4. Autoflight/Autothrottle System 22GS-00-1, 22JG-00-1, 22JG-18-10, 1C-17A-1, 22JG-10-1, 05JG-10-1, 53JG-20-1, 1C-17A-23, 22FI-00-1, 27FI-00-1											
A8.3.4.1. Theory of Operation								-	-	-	-
A8.3.4.2. Perform operational check	*							-	-	-	-
A8.3.4.3. Remove and install (R&I) Unique Components:								-	-	-	-
A8.3.4.3.1. Autopilot Control Panel								-	-	-	-
A8.3.4.3.2. Pitch/Roll Autopilot Actuator								-	-	-	-
A8.3.4.3.3. Throttle Module								-	-	-	-
A8.3.4.4. Troubleshoot system								-	-	-	-
A8.4. GENERAL COMPUTER COMPLEX TR: 34GS-00-1, 34JG-60-1, 34JG-62-02, 34JG-62-10, 34JG-62-11, 34JG-62-12, 34FI-00-1, 40FI-00-1											
A8.4.1. Central Displays											
A8.4.1.1. Theory of Operation								-	-	-	-
A8.4.1.2. Perform operational check								-	-	-	-
A8.4.1.3. Troubleshoot system								-	-	-	-
A8.4.2. 1553 Data Bus System/Architecture											

C-17 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A8.4.2.1. Theory of Operation								-	-	-	-
A8.4.2.2. Troubleshoot Data Bus								-	-	-	-
A8.4.3. Mission Computing System											
A8.4.3.1. Theory of Operation								-	-	-	-
A8.4.3.2. Operate Core Integrated Processor								-	-	-	-
A8.4.3.3. Troubleshoot system								-	-	-	-
A8.5. GENERAL NAVIGATION SYSTEMS											
A8.5.1. Inertial Reference System TR: TO 34GS-00-1, 34JG-43-10, 34JG-43-11, 1C-17A-1, 34JG-43-12, 34FI-00-1,											
A8.5.1.1. Theory of Operation								-	-	-	-
A8.5.1.2. Perform operational check	*							-	-	-	-
A8.5.1.3. Load Present Position	*							-	-	-	-
A8.5.1.4. Align Inertial Reference Unit								-	-	-	-
A8.5.1.5. Remove and install (R&I)											
A8.5.1.5.1. Inertial Reference Unit								-	-	-	-
A8.5.1.6. Troubleshoot system								-	-	-	-
A8.6. FLIGHT INSTRUMENTS TR: TO 34GS-00-1, 34JG-25-01, 34JG-25-11, 1C-17A-1, 34JG-25-01, 34FI-00-1											
A8.6.1. Heads-Up Display											
A8.6.1.1. Theory of Operation								-	-	-	-
A8.6.1.2. Perform operational check								-	-	-	-
A8.6.1.3. Remove and install (R&I) Heads-up display								-	-	-	-
A8.6.1.4. Perform Boresight Alignment	*							-	-	-	-
A8.6.1.5. Troubleshoot system								-	-	-	-

C-17 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse
A8.6.2. Standby Instrumentation TR: TO 34GS-00-1, 34JG-28-10, 34FI-00-1, 1C-17A-1										
A8.6.2.1. Theory of Operation								-	-	-
A8.6.2.2. Perform operational check	*							-	-	-
A8.6.2.3. Remove and install (R&I) Standby Airspeed/Altitude Indicator								-	-	-
A8.6.2.4. Troubleshoot system								-	-	-
A8.7. AIR DATA SYSTEM TR:TO 1C-17A-1, 1-1A-15, 30GS-00-1, 34GS-00-1, 34JG-16-10, 34JG-00-1, 34FI-00-1										
A8.7.1. Theory of Operation								-	-	-
A8.7.2. Perform operational check	*							-	-	-
A8.7.3. Perform Leak Check	*							-	-	-
A8.7.4. Remove and install (R&I)										
A8.7.4.1. Air Data Computer								-	-	-
A8.7.5. Troubleshoot system								-	-	-
A8.8. DATA RECORDERS										
A8.8.1. Flight Data Recording System TR: TO 31GS-00-1, 1C-17A-1, 31JG-00-1, 31JG-31-02, 31JG-31-10, 31JG-31-14, 31JG-33-10, 31JG-61-02, 31JG-61-10, 31FI-00-1										
A8.8.1.1. Theory of Operation								-	-	-
A8.8.1.2. Perform Operation Check								-	-	-
A8.8.1.3. Download SFDR using Laptop								-	-	-
A8.8.1.4. Remove and install (R&I) Triaxial Accelerometer:								-	-	-
A8.8.1.5. Troubleshoot system								-	-	-

C-17 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse
A8.8.2. Aircraft/Propulsion Data Management Computer TR: TO 31GS-00-1, 1C-17A-1, 31JG-41-02, 31JG-41-10, 31JG-41-01, 31FI-00-1										
A8.8.2.1. Theory of Operation								-	-	-
A8.8.2.2. Perform operational checks								-	-	-
A8.8.2.3. Troubleshoot system								-	-	-
A8.8.3. Quick Access Recorder System										
A8.8.3.1. Theory of Operation								-	-	-
A8.8.3.2. Perform operational check								-	-	-
A8.8.3.3. Remove and install (R&I) Recorder								-	-	-
A8.8.3.4. Remove and install (R&I) QAR Tape								-	-	-
A8.8.3.5. Troubleshoot system								-	-	-
A8.9. GROUND PROXIMITY WARNING SYSTEM TR: TO 22JG-10-3, 22GS-00-1, 1C-17A-1, 22FI-00-1										
A8.9.1. Theory of Operation								-	-	-
A8.9.2. Perform operational check								-	-	-
A8.9.3. Troubleshoot system								-	-	-
A8.10. LIQUID QUANTITY INDICATING SYSTEMS										
A8.10.1. Fuel Quantity Indicating System TR: TO 28GS-00-1, 1C-17A-1, 28GS-00-1, 28JG-40-1 28FI-00-1										
A8.10.1.1. Theory of Operation								-	-	-
A8.10.1.2. Perform operational check								-	-	-
A8.10.1.3. Remove and install (R&I) Multi-junction Probe								-	-	-
A8.10.1.4. Troubleshoot system								-	-	-

C-32 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC

ATTACHMENT 9 - C-32 Training Requirements

NOTE 1: The apprentice course will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.

NOTE 2: All course requirements are trained in the 3-level resident course during wartime. The 7-level in-residence course is not taught during wartime.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items marked in columns 2A or 2B marked with a *R are optional core tasks for ANG and AFRC.

NOTE 5: Items coded in column 4A will be trained using C-32 aircraft/systems. If C-32 aircraft/systems are unavailable, representative systems from other aircraft may be used.

NOTE 6: Address comments or recommended changes through the MAJCOM Functional Manager to the AETC Training Manager, at DSN 736-7891.

A9.1. GENERAL ORGANIZATIONAL MAINTENANCE NOTE: All TRs refer to the 757 Maintenance Manual										
A9.1.1. Welcome/Orientation								-	-	-
A9.1.2. Technical Order Familiarization								-	-	-
A9.1.3. Flightline Safety/Precautions/Security								-	-	-
A9.1.4. Introduction to Aircraft/Airframe Familiarization/Egress								-	-	-
A9.1.5. Inspect/Operate Portable External Electrical Power Unit								-	-	-
A9.1.6. Inspect/Use Ground Maintenance Stands								-	-	-
A9.1.7. Team Communications Training								-	-	-
A9.1.8. Dropped Object Prevention Program (DOPP)								-	-	-
A9.1.9. Defensive Systems (DS) Familiarization								-	-	-
A9.2. GENERAL MAINTENANCE TASKS TR: Applicable 757 Maintenance Manual										
A9.2.1. Ensure Aircraft Safe for Maintenance	*							-	-	-
A9.2.2. Statically Ground Aircraft								-	-	-
A9.2.3. Apply/Disconnect External Electrical Power	*							-	-	-
A9.2.4. Perform Wing/Tail Walker Duties								-	-	-

C-32 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES										
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) (2) Crse CDC
A9.2.5. Perform Jacking Team Member Duties								-	-	-
A9.2.6. Perform Refuel/Defuel Team Member Duties								-	-	-
A9.2.7. Open/Close Engine Cowlings								-	-	-
A9.2.8. Remove and install (R&I) aircraft Maintenance Access Panels								-	-	-
A9.2.9. Use Aircraft Interphone System								-	-	-
A9.2.10. Perform Aircraft Marshalling Procedures								-	-	-
A9.3. GENERAL FLIGHT CONTROLS TR: 27-00-00										
A9.3.1. Manual Flight Controls										
A9.3.1.1. Flight Controls System										
A9.3.1.1.1. Theory of Operation								-	-	-
A9.3.1.1.2. System Tie-in/Integration								-	-	-
A9.3.1.1.3. Perform inspection								-	-	-
A9.3.1.1.4. Perform operational checks	*							-	-	-
A9.3.1.1.5. Troubleshoot system								-	-	-
A9.3.2. Position Indicating System										
A9.3.2.1. Aileron Position Indicating System TR: 27-18-00										
A9.3.2.1.1. Theory of Operation								-	-	-
A9.3.2.1.2. System Tie-in/Integration								-	-	-
A9.3.2.1.3. Perform inspection								-	-	-
A9.3.2.1.4. Perform operational checks								-	-	-
A9.3.2.1.5. Remove and install (R&I) Aileron Position Transmitter								-	-	-
A9.3.2.1.6. Calibrate System								-	-	-
A9.3.2.1.7. Troubleshoot system								-	-	-

C-32 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A9.3.2.2. Rudder Position Indicating System TR: 27-28-00										
A9.3.2.2.1. Theory of Operation								-	-	-
A9.3.2.2.2. System Tie-in/Integration								-	-	-
A9.3.2.2.3. Perform inspection								-	-	-
A9.3.2.2.4. Perform operational checks								-	-	-
A9.3.2.2.5. Remove and install (R&I) Rudder Position Transmitter								-	-	-
A9.3.2.2.6. Calibrate System								-	-	-
A9.3.2.2.7. Troubleshoot system								-	-	-
A9.3.2.3. Elevator Position Indicating System TR: 27-38-00										
A9.3.2.3.1. Theory of Operation								-	-	-
A9.3.2.3.2. System Tie-in/Integration								-	-	-
A9.3.2.3.3. Perform inspection								-	-	-
A9.3.2.3.4. Perform operational checks								-	-	-
A9.3.2.3.5. Remove and install (R&I) Elevator Position Transmitter								-	-	-
A9.3.2.3.6. Calibrate System								-	-	-
A9.3.2.3.7. Troubleshoot system								-	-	-
A9.3.2.4. Stabilizer Trim Position Indicating System TR: 27-48-00										
A9.3.2.4.1. Theory of Operation								-	-	-
A9.3.2.4.2. System Tie-in/Integration								-	-	-
A9.3.2.4.3. Perform inspection								-	-	-
A9.3.2.4.4. Perform operational checks	*							-	-	-
A9.3.2.4.5. Remove and install (R&I)										
A9.3.2.4.5.1. Module-Stabilizer Position								-	-	-

C-32 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A9.3.2.4.5.2. Module-Stabilizer Trim Limit Switch and Transmitter								-	-	-
A9.3.2.4.6. Calibrate System	*							-	-	-
A9.3.2.4.7. Troubleshoot system								-	-	-
A9.3.2.5. Trailing Edge Flap Position Indicating System TR: 27-58-00										
A9.3.2.5.1. Theory of Operation								-	-	-
A9.3.2.5.2. System Tie-in/Integration								-	-	-
A9.3.2.5.3. Perform inspection								-	-	-
A9.3.2.5.4. Perform operational checks								-	-	-
A9.3.2.5.5. Calibrate System								-	-	-
A9.3.2.5.6. Troubleshoot system								-	-	-
A9.3.2.6. Leading Edge Slat Position Indicating System TR: 27-88-00										
A9.3.2.6.1. Theory of Operation								-	-	-
A9.3.2.6.2. System Tie-in/Integration								-	-	-
A9.3.2.6.3. Perform inspection								-	-	-
A9.3.2.6.4. Perform operational checks								-	-	-
A9.3.2.6.5. Calibrate System								-	-	-
A9.3.2.6.6. Troubleshoot system								-	-	-
A9.3.3. Autopilot System TR: 22-10-00										
A9.3.3.1. Theory of Operation								-	-	-
A9.3.3.2. System Tie-in/Integration								-	-	-
A9.3.3.3. Perform inspection								-	-	-
A9.3.3.4. Perform operational checks								-	-	-

C-32 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) (2) Crse CDC
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials			
A9.3.3.5. Troubleshoot system								-	-	-
A9.3.4. Stabilization Augmentation										
A9.3.4.1. Automatic Stabilizer Trim System TR: 22-22-00										
A9.3.4.1.1. Theory of Operation								-	-	-
A9.3.4.1.2. System Tie-in/Integration								-	-	-
A9.3.4.1.3. Perform inspection								-	-	-
A9.3.4.1.4. Perform operational checks	*							-	-	-
A9.3.4.1.5. Troubleshoot system								-	-	-
A9.3.4.2. Mach Trim/Speed Stability System TR: 22-24-00										
A9.3.4.2.1. Theory of Operation								-	-	-
A9.3.4.2.2. System Tie-in/Integration								-	-	-
A9.3.4.2.3. Perform inspection								-	-	-
A9.3.4.2.4. Perform operational checks								-	-	-
A9.3.4.2.5. Troubleshoot system								-	-	-
A9.3.4.3. Yaw Damper System TR: 22-21-00										
A9.3.4.3.1. Theory of Operation								-	-	-
A9.3.4.3.2. System Tie-in/Integration								-	-	-
A9.3.4.3.3. Perform inspection								-	-	-
A9.3.4.3.4. Perform operational checks	*							-	-	-
A9.3.4.3.5. Remove and install (R&I)										
A9.3.4.3.5.1. Yaw Damper Module								-	-	-
A9.3.4.3.5.2. Yaw Damper Panel								-	-	-
A9.3.4.3.5.3. Yaw Damper Servo								-	-	-

C-32 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A9.3.4.3.6. Troubleshoot system								-	-	-
A9.4. THRUST MANAGEMENT SYSTEM TR: 22-32-00										
A9.4.1. Theory of Operation								-	-	-
A9.4.2. System Tie-in/Integration								-	-	-
A9.4.3. Perform inspection								-	-	-
A9.4.4. Perform operational checks								-	-	-
A9.4.5. Remove and install (R&I)										
A9.4.5.1. Generator and Gearbox								-	-	-
A9.4.5.2. Clutch Autothrottle Pack								-	-	-
A9.4.6. Adjust System								-	-	-
A9.4.7. Troubleshoot system								-	-	-
A9.5. GENERAL COMPUTER COMPLEX										
A9.5.1. Maintenance Monitor System TR: 22-41-00										
A9.5.1.1. Theory of Operation								-	-	-
A9.5.1.2. System Tie-in/Integration								-	-	-
A9.5.1.3. Perform inspection								-	-	-
A9.5.1.4. Perform operational checks								-	-	-
A9.5.1.5. Troubleshoot system								-	-	-
A9.5.2. Flight Management Computer System TR: 34-61-00										
A9.5.2.1. Theory of Operation								-	-	-
A9.5.2.2. System Tie-in/Integration								-	-	-
A9.5.2.3. Perform inspection								-	-	-
A9.5.2.4. Perform operational checks										

C-32 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES										
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A9.5.2.4.1. Perform BITE Data Download								-	-	-
A9.5.2.4.2. Perform Navigation Data Cross Load								-	-	-
A9.5.2.4.3. Perform Navigation Data Base Input with the Airborne Data Loader								-	-	-
A9.5.2.4.4. Perform operational Software Input with the Airborne Data Loader								-	-	-
A9.5.2.5. Troubleshoot system								-	-	-
A9.6. GENERAL NAVIGATION SYSTEMS										
A9.6.1. Standby Attitude Reference System TR: 34-24-00										
A9.6.1.1. Theory of Operation								-	-	-
A9.6.1.2. System Tie-in/Integration								-	-	-
A9.6.1.3. Perform inspection								-	-	-
A9.6.1.4. Perform operational checks								-	-	-
A9.6.1.5. Troubleshoot system								-	-	-
A9.6.2. Standby Magnetic Compass System TR: 31-23-00										
A9.6.2.1. Theory of Operation								-	-	-
A9.6.2.2. Perform inspection								-	-	-
A9.6.2.3. Perform operational checks								-	-	-
A9.6.2.4. Troubleshoot system								-	-	-
A9.6.3. Inertial Reference System TR: 34-21-00										
A9.6.3.1. Theory of Operation								-	-	-
A9.6.3.2. System Tie-in/Integration								-	-	-
A9.6.3.3. Perform inspection								-	-	-
A9.6.3.4. Perform operational checks								-	-	-
A9.6.3.5. Troubleshoot system								-	-	-

C-32 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES										
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A9.7. FLIGHT INSTRUMENTS										
A9.7.1. Pitot-Static System TR: 34-11-00										
A9.7.1.1. Theory of Operation								-	-	-
A9.7.1.2. System Tie-in/Integration								-	-	-
A9.7.1.3. Perform inspection								-	-	-
A9.7.1.4. Perform operational checks	*							-	-	-
A9.7.1.5. Remove and install (R&I)										
A9.7.1.5.1. Pitot Tube								-	-	-
A9.7.1.5.2. Static Port								-	-	-
A9.7.1.6. Perform Adjustment								-	-	-
A9.7.1.7. Troubleshoot system								-	-	-
A9.7.2. Air Data Instruments System TR: 34-13-00										
A9.7.2.1. Theory of Operation								-	-	-
A9.7.2.2. System Tie-in/Integration								-	-	-
A9.7.2.3. Perform inspection								-	-	-
A9.7.2.4. Perform operational checks								-	-	-
A9.7.2.5. Remove and install (R&I)										
A9.7.2.5.1. Standby Altimeter								-	-	-
A9.7.2.5.2. Standby Airspeed Indicator								-	-	-
A9.7.2.5.3. Metric Selected Altitude Indicator								-	-	-
A9.7.2.6. Troubleshoot system								-	-	-
A9.7.3. Pitot Probe Anti-Icing System										
A9.7.3.1. Theory of Operation								-	-	-
A9.7.3.2. System Tie-in/Integration								-	-	-

C-32 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES										
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A9.7.3.3. Perform inspection								-	-	-
A9.7.3.4. Perform operational checks								-	-	-
A9.7.3.5. Troubleshoot system								-	-	-
A9.7.4. Angle of Attack Heating System										
A9.7.4.1. Theory of Operation								-	-	-
A9.7.4.2. System Tie-in/Integration								-	-	-
A9.7.4.3. Perform inspection								-	-	-
A9.7.4.4. Perform operational checks								-	-	-
A9.7.4.5. Troubleshoot system								-	-	-
A9.7.5. Total Air Temperature Probe Heat System										
A9.7.5.1. Theory of Operation								-	-	-
A9.7.5.2. System Tie-in/Integration								-	-	-
A9.7.5.3. Perform inspection								-	-	-
A9.7.5.4. Troubleshoot system								-	-	-
A9.7.6. Clocks TR: 31-25-00										
A9.7.6.1. Theory of Operation								-	-	-
A9.7.6.2. Perform inspection								-	-	-
A9.7.6.3. Perform operational checks								-	-	-
A9.7.6.4. Troubleshoot system								-	-	-
A9.7.7. Electronic Flight Instrument System (EFIS) TR: 34-22-00										
A9.7.7.1. Theory of Operation								-	-	-
A9.7.7.2. System Tie-in/Integration								-	-	-
A9.7.7.3. Perform inspection								-	-	-
A9.7.7.4. Perform operational checks								-	-	-

C-32 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES										
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A9.7.7.5. Remove and install (R&I) EFIS Remote Light Sensor								-	-	-
A9.7.7.6. Troubleshoot system								-	-	-
A9.8. AIR DATA SYSTEMS										
A9.8.1. Digital Air Data Computing System TR: 34-12-00										
A9.8.1.1. Theory of Operation								-	-	-
A9.8.1.2. System Tie-in/Integration								-	-	-
A9.8.1.3. Perform inspection								-	-	-
A9.8.1.4. Perform operational checks	*							-	-	-
A9.8.1.5. Remove and install (R&I)										
A9.8.1.5.1. Digital Air Data Computer								-	-	-
A9.8.1.5.2. Angle of Attack Sensor								-	-	-
A9.8.1.6. Troubleshoot system								-	-	-
A9.9. FLIGHT DATA RECORDING SYSTEM TR: 31-31-00										
A9.9.1. Theory of Operation								-	-	-
A9.9.2. System Tie-in/Integration								-	-	-
A9.9.3. Perform inspection								-	-	-
A9.9.4. Perform operational checks								-	-	-
A9.9.5. Remove and install (R&I)										
A9.9.5.1. Flight Data Recorder								-	-	-
A9.9.5.2. Underwater Locator Beacon								-	-	-
A9.9.6. Download Flight Data Recorder								-	-	-
A9.9.7. Troubleshoot system								-	-	-
A9.10. WARNING SYSTEMS										

C-32 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES										
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A9.10.1. Enhanced Ground Proximity Warning System TR: 34-46-00										
A9.10.1.1. Theory of Operation								-	-	-
A9.10.1.2. System Tie-in/Integration								-	-	-
A9.10.1.3. Perform inspection								-	-	-
A9.10.1.4. Perform operational checks								-	-	-
A9.10.1.5. Troubleshoot system								-	-	-
A9.10.2. Altitude Alert System TR: 34-16-00										
A9.10.2.1. Theory of Operation								-	-	-
A9.10.2.2. System Tie-in/Integration								-	-	-
A9.10.2.3. Perform inspection								-	-	-
A9.10.2.4. Perform operational checks								-	-	-
A9.10.2.5. Remove and install (R&I) Altitude Alert Module								-	-	-
A9.10.2.6. Troubleshoot system								-	-	-
A9.10.3. Stall Warning System TR: 27-32-00										
A9.10.3.1. Theory of Operation								-	-	-
A9.10.3.2. System Tie-in/Integration								-	-	-
A9.10.3.3. Perform inspection								-	-	-
A9.10.3.4. Perform operational checks								-	-	-
A9.10.3.5. Remove and install (R&I) Stall Warning Module								-	-	-
A9.10.3.6. Troubleshoot system								-	-	-
A9.10.4. Warning System TR: 31-51-00										
A9.10.4.1. Theory of Operation								-	-	-

C-32 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A9.10.4.2. System Tie-in/Integration								-	-	-
A9.10.4.3. Perform inspection								-	-	-
A9.10.4.4. Perform operational checks								-	-	-
A9.10.4.5. Remove and install (R&I)										
A9.10.4.5.1. EMI Filter Module								-	-	-
A9.10.4.5.2. Warning Electronics Unit Module (WEU)								-	-	-
A9.10.4.6. Troubleshoot system								-	-	-
A9.11. ENGINE INDICATING SYSTEMS										
A9.11.1. Engine Exhaust Gas Temperature TR: 49-71-00										
A9.11.1.1. Theory of Operation								-	-	-
A9.11.1.2. System Tie-in/Integration								-	-	-
A9.11.1.3. Perform inspection								-	-	-
A9.11.1.4. Perform operational checks								-	-	-
A9.11.1.5. Troubleshoot system								-	-	-
A9.11.2. Engine Tachometer Indicating System TR: 77-12-00										
A9.11.2.1. Theory of Operation								-	-	-
A9.11.2.2. System Tie-in/Integration								-	-	-
A9.11.2.3. Perform inspection								-	-	-
A9.11.2.4. Perform operational checks								-	-	-
A9.11.2.5. Troubleshoot system								-	-	-
A9.11.3. Engine Oil Pressure Indicating System TR: 79-32-00										
A9.11.3.1. Theory of Operation								-	-	-
A9.11.3.2. System Tie-in/Integration								-	-	-

C-32 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES										
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) (2) Crse CDC
A9.11.3.3. Perform inspection								-	-	-
A9.11.3.4. Perform operational checks								-	-	-
A9.11.3.5. Troubleshoot system								-	-	-
A9.11.4. Engine Oil Temperature Indicating System TR: 79-34-00										
A9.11.4.1. Theory of Operation								-	-	-
A9.11.4.2. System Tie-in/Integration								-	-	-
A9.11.4.3. Perform inspection								-	-	-
A9.11.4.4. Perform operational checks								-	-	-
A9.11.4.5. Troubleshoot system								-	-	-
A9.11.5. Fuel Flow Indicating System TR: 73-31-00										
A9.11.5.1. Theory of Operation								-	-	-
A9.11.5.2. System Tie-in/Integration								-	-	-
A9.11.5.3. Perform inspection								-	-	-
A9.11.5.4. Perform operational checks								-	-	-
A9.11.5.5. Troubleshoot system								-	-	-
A9.11.6. Fuel Temperature Indicating System TR: 28-43-00										
A9.11.6.1. Theory of Operation								-	-	-
A9.11.6.2. System Tie-in/Integration								-	-	-
A9.11.6.3. Perform inspection								-	-	-
A9.11.6.4. Perform operational checks								-	-	-
A9.11.6.5. Troubleshoot system								-	-	-
A9.11.7. Airborne Vibration Monitoring System TR: 77-31-00										
A9.11.7.1. Theory of Operation								-	-	-

C-32 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES										
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A9.11.7.2. System Tie-in/Integration								-	-	-
A9.11.7.3. Perform inspection								-	-	-
A9.11.7.4. Perform operational checks								-	-	-
A9.11.7.5. Troubleshoot system								-	-	-
A9.11.8. Engine Indication and Crew Alerting System (EICAS) TR: 31-41-00										
A9.11.8.1. Theory of Operation								-	-	-
A9.11.8.2. System Tie-in/Integration								-	-	-
A9.11.8.3. Perform inspection								-	-	-
A9.11.8.4. Perform operational checks								-	-	-
A9.11.8.5. Perform EICAS Message Display Procedure								-	-	-
A9.11.8.6. Perform Maintenance Erase Procedure								-	-	-
A9.11.9. Standby Engine Indication System TR: 77-41-00										
A9.11.9.1. Theory of Operation								-	-	-
A9.11.9.2. System Tie-in/Integration								-	-	-
A9.11.9.3. Perform inspection								-	-	-
A9.11.9.4. Perform operational checks								-	-	-
A9.11.9.5. Troubleshoot system								-	-	-
A9.11.10. Engine Probe Heat System										
A9.11.10.1. Theory of Operation								-	-	-
A9.11.10.2. System Tie-in/Integration								-	-	-
A9.11.10.3. Perform inspection								-	-	-
A9.11.10.4. Perform operational checks								-	-	-
A9.11.10.5. Troubleshoot system								-	-	-

C-32 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES										
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A9.12. AUXILIARY POWER UNIT INDICATING SYSTEMS										
A9.12.1. APU Exhaust Gas Temperature Indicating System TR: 77-21-00										
A9.12.1.1. Theory of Operation								-	-	-
A9.12.1.2. System Tie-in/Integration								-	-	-
A9.12.1.3. Perform inspection								-	-	-
A9.12.1.4. Perform operational checks								-	-	-
A9.12.1.5. Troubleshoot system								-	-	-
A9.12.2. APU Tachometer Indicating System TR: 49-73-00										
A9.12.2.1. Theory of Operation								-	-	-
A9.12.2.2. System Tie-in/Integration								-	-	-
A9.12.2.3. Perform inspection								-	-	-
A9.12.2.4. Perform operational checks								-	-	-
A9.12.2.5. Troubleshoot system								-	-	-
A9.12.3. APU Oil Indicating System TR: 49-94-00										
A9.12.3.1. Theory of Operation								-	-	-
A9.12.3.2. System Tie-in/Integration								-	-	-
A9.12.3.3. Perform inspection								-	-	-
A9.12.3.4. Perform operational checks								-	-	-
A9.12.3.5. Troubleshoot system								-	-	-
A9.13. LIQUID QUANTITY INDICATING SYSTEMS										
A9.13.1. Fuel Quantity Indicating System TR: 28-41-00										
A9.13.1.1. Theory of Operation								-	-	-

C-32 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A9.13.1.2. System Tie-in/Integration								-	-	-
A9.13.1.3. Perform inspection								-	-	-
A9.13.1.4. Perform operational checks								-	-	-
A9.13.1.5. Troubleshoot system								-	-	-
A9.13.2. Auxiliary Fuel Quantity Indicating System TR: 28-14-00										
A9.13.2.1. Theory of Operation								-	-	-
A9.13.2.2. System Tie-in/Integration								-	-	-
A9.13.2.3. Perform inspection								-	-	-
A9.13.2.4. Perform operational checks								-	-	-
A9.13.2.5 Troubleshoot system								-	-	-
A9.13.3. Engine Oil Quantity Indicating System TR: 79-31-00										
A9.13.3.1. Theory of Operation								-	-	-
A9.13.3.2. System Tie-in/Integration								-	-	-
A9.13.3.3. Perform inspection								-	-	-
A9.13.3.4. Perform operational checks								-	-	-
A9.13.3.5. Troubleshoot system								-	-	-
A9.13.4. Hydraulic Fluid Quantity Indicating System TR: 29-33-00										
A9.13.4.1. Theory of Operation								-	-	-
A9.13.4.2. System Tie-in/Integration								-	-	-
A9.13.4.3. Perform inspection								-	-	-
A9.13.4.4. Perform operational checks								-	-	-
A9.13.4.5. Troubleshoot system								-	-	-

C-32 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES										
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A9.13.5. Ground Servicing System Hydraulic Reservoir Remote Quantity Indicating System TR: 29-18-00										
A9.13.5.1. Theory of Operation								-	-	-
A9.13.5.2. System Tie-in/Integration								-	-	-
A9.13.5.3. Perform inspection								-	-	-
A9.13.5.4. Perform operational checks								-	-	-
A9.13.5.5. Troubleshoot system								-	-	-
A9.14. HYDRAULIC INDICATING SYSTEMS										
A9.14.1. Hydraulic Fluid Temperature Indicating System TR: 29-32-00										
A9.14.1.1. Theory of Operation								-	-	-
A9.14.1.2. System Tie-in/Integration								-	-	-
A9.14.1.3. Perform inspection								-	-	-
A9.14.1.4. Perform operational checks								-	-	-
A9.14.1.5. Troubleshoot system								-	-	-
A9.14.2. Hydraulic Reservoir Pressure Indicating System TR: 29-35-00										
A9.14.2.1. Theory of Operation								-	-	-
A9.14.2.2. System Tie-in/Integration								-	-	-
A9.14.2.3. Perform inspection								-	-	-
A9.14.2.4. Troubleshoot system								-	-	-
A9.15. TEST EQUIPMENT										
A9.15.1. Barfield Air Data System Tester								-	-	-
A9.15.2. MCDP Remote Test Box								-	-	-

C-37 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC

ATTACHMENT 10 - C-37 Training Requirements

NOTE 1: The apprentice course will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.

NOTE 2: All course requirements are trained in the 3-level resident course during wartime. The 7-level in-residence course is not taught during wartime.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items marked in columns 2A or 2B marked with a *R are optional core tasks for ANG and AFRC.

NOTE 5: Items coded in column 4A will be trained using C-37 aircraft/systems. If C-37 aircraft/systems are unavailable, representative systems from other aircraft may be used.

NOTE 6: Address comments or recommended changes through the MAJCOM Functional Manager to the AETC Training Manager, at DSN 736-7891.

A10.1. GENERAL ORGANIZATIONAL MAINTENANCE TR: Refer to the GV Maintenance Manual										
A10.1.1. Introduction to Aircraft/Airframe Familiarization								-	-	-
A10.1.2. Major Structural Areas								-	-	-
A10.1.3. Aircraft Egress Procedures								-	-	-
A10.1.4. Welcome/Orientation								-	-	-
A10.1.5. Inspect/Operate Portable External Electrical Power Unit								-	-	-
A10.1.6. Inspect/Use Ground Maintenance Stands								-	-	-
A10.2. GENERAL MAINTENANCE TASKS TR: Applicable GV Maintenance Manual										
A10.2.1. Ensure Aircraft Safe for Maintenance	*							-	-	-
A10.2.2. Technical Order Familiarization								-	-	-
A10.2.3. Flightline Safety/Precautions/Security								-	-	-
A10.2.4. Dropped Object Prevention Program (DOPP)								-	-	-
A10.2.5. Defensive Systems (DS) Familiarization								-	-	-
A10.2.6. Statically Ground Aircraft								-	-	-
A10.2.7. Apply/Disconnect External Electrical Power Unit	*							-	-	-

C-37 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A10.2.8. Perform Wing/Tail Walker Duties								-	-	-
A10.2.9. Perform Jacking Team Member								-	-	-
A10.2.10. Perform Refuel/Defuel Team Member Duties								-	-	-
A10.2.11. Open/Close Engine Cowling								-	-	-
A10.2.12. Remove and install (R&I) aircraft Maintenance Access Panels	*							-	-	-
A10.2.13. Use Interphone System								-	-	-
A10.2.14. Perform Aircraft Marshalling Procedures								-	-	-
A10.2.15. Team Communications								-	-	-
A10.3. GENERAL FLIGHT CONTROLS										
A10.3.1. Automatic Flight Control Systems AFSC TR: 22-10-00										
A10.3.1.1. Theory of Operation								-	-	-
A10.3.1.2. System Tie-in and Integration								-	-	-
A10.3.1.3. Perform operational check										
A10.3.1.3.1. Autopilot System	*							-	-	-
A10.3.1.3.2. Roll and Heading Control System	*							-	-	-
A10.3.1.3.3. Pitch System	*							-	-	-
A10.3.1.3.4. MISTRIM/Aileron Message Test	*							-	-	-
A10.3.1.4. Remove and install (R&I)										
A10.3.1.4.1. Aileron Servo and Bracket Assembly								-	-	-
A10.3.1.4.2. Aileron Servo Assembly								-	-	-
A10.3.1.4.3. Elevator Servo and Bracket Assembly								-	-	-
A10.3.1.4.4. Elevator Servo Components Assembly								-	-	-
A10.3.1.4.5. Elevator Trim Servo and Bracket Assembly								-	-	-

C-37 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A10.3.1.4.6. Elevator Trim Servo Assembly								-	-	-
A10.3.1.5. Troubleshoot to LRUs		*						-	-	-
A10.3.1.6. Troubleshoot to other than LRUs		*						-	-	-
A10.3.2. Yaw Damper System TR: 22-14-00										
A10.3.2.1. Theory of Operation								-	-	-
A10.3.2.2. Perform operational check								-	-	-
A10.3.2.3. Troubleshoot to LRUs								-	-	-
A10.3.2.4. Troubleshoot to other than LRUs								-	-	-
A10.3.3. Autothrottle System TR: 22-30-00										
A10.3.3.1. Theory of Operation								-	-	-
A10.3.3.2. Perform operational check								-	-	-
A10.3.3.3. Troubleshoot to LRUs								-	-	-
A10.3.3.4. Troubleshoot to other than LRUs								-	-	-
A10.4. GENERAL COMPUTER COMPLEX										
A10.4.1. Recorders-Maintenance Data Acquisition System TR: 31-32-00										
A10.4.1.1. Theory of Operation								-	-	-
A10.4.1.2. Perform operational check								-	-	-
A10.4.1.3. Download Maintenance Data Acquisition Unit								-	-	-
A10.4.1.4. Troubleshoot to LRUs								-	-	-
A10.4.1.5. Troubleshoot to other than LRUs								-	-	-
A10.4.2. Central Display Systems TR: 31-60-00										
A10.4.2.1. Theory of Operation								-	-	-

C-37 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) (2) Crse CDC
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	-	-	-
A10.4.2.2. Perform operational check								-	-	-
A10.4.2.3. Troubleshoot to LRUs								-	-	-
A10.4.2.4. Troubleshoot to other than LRUs								-	-	-
A10.4.3. Data Loader System TR. 34-62-00										
A10.4.3.1. Theory of Operation								-	-	-
A10.4.3.2. Perform operational check								-	-	-
A10.4.3.3. Troubleshoot to LRUs								-	-	-
A10.4.3.4. Troubleshoot to other than LRUs								-	-	-
A10.4.4. Flight Management System TR: 34-60-00										
A10.4.4.1. Theory of Operation								-	-	-
A10.4.4.2. Perform operational check	*							-	-	-
A10.4.4.3. Troubleshoot to LRUs								-	-	-
A10.4.4.4. Troubleshoot to other than LRUs								-	-	-
A10.4.5. Central Computers TR: 31-40-00										
A10.4.5.1. Theory of Operation								-	-	-
A10.4.5.2. Perform operational check	*							-	-	-
A10.4.5.3. Troubleshoot to LRUs								-	-	-
A10.4.5.4. Troubleshoot to other than LRUs								-	-	-
A10.4.6. ASCB Bus										
A10.4.6.1. Theory of Operation								-	-	-
A10.5. GENERAL NAVIGATION SYSTEMS										
A10.5.1. Attitude and Direction System TR: 34-20-00										
A10.5.1.1. Theory of Operation								-	-	-

C-37 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A10.5.1.2. Perform operational check	*							-	-	-
A10.5.1.3. Remove and install (R&I)										
A10.5.1.3.1. Flux Detector Valve								-	-	-
A10.5.1.3.2. Magnetic Compensator								-	-	-
A10.5.1.4. Troubleshoot to LRUs	*							-	-	-
A10.5.1.5. Troubleshoot to other than LRUs		*						-	-	-
A10.5.2. Inertial Reference System TR: 34-42-00										
A10.5.2.1. Theory of Operation								-	-	-
A10.5.2.2. Perform operational check								-	-	-
A10.5.2.3. Troubleshoot to LRUs								-	-	-
A10.5.2.4. Troubleshoot to other than LRUs								-	-	-
A10.5.3. Flight Decks/CSO Station Clocks TR: 31-22-00										
A10.5.3.1. Theory of Operation								-	-	-
A10.5.3.2. Perform operational check								-	-	-
A10.5.3.3. Troubleshoot to LRUs								-	-	-
A10.5.3.4. Troubleshoot to other than LRUs								-	-	-
A10.6. FLIGHT INSTRUMENTS TR: 34-12-01										
A10.6.1. Pitot/Static System										
A10.6.1.1. Theory of Operation								-	-	-
A10.6.1.2. Perform operational check	*							-	-	-
A10.6.1.3. Perform Leak Test	*							-	-	-
A10.6.1.4. Remove and install (R&I)										
A10.6.1.4.1. Micro Air Data Computer	*							-	-	-

C-37 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A10.6.1.4.2. Pitot/Static Probe								-	-	-
A10.6.1.4.3. Total Temperature Probe								-	-	-
A10.6.1.5. Troubleshoot to LRUs	*							-	-	-
A10.6.1.6. Troubleshoot to other than LRUs		*						-	-	-
A10.6.2. Heads Up Display (HUD) System TR: 34-26-00										
A10.6.2.1. Theory of Operation								-	-	-
A10.6.2.2. Perform operational check								-	-	-
A10.6.2.3. Remove and install (R&I)										
A10.6.2.3.1. Overhead Unit								-	-	-
A10.6.2.3.2. Combiner Unit								-	-	-
A10.6.2.4. Troubleshoot to LRUs								-	-	-
A10.6.2.5. Troubleshoot to other than LRUs								-	-	-
A10.7. DIGITAL FLIGHT DATA RECORDER SYSTEM TR: 31-31-00										
A10.7.1. Theory of Operation								-	-	-
A10.7.2. Perform operational check	*							-	-	-
A10.7.3. Remove and install (R&I)										
A10.7.3.1. Flight Data Recorder (FDR)	*							-	-	-
A10.7.3.2. Underwater Beacon	*							-	-	-
A10.7.4. Troubleshoot to LRUs	*							-	-	-
A10.7.5. Troubleshoot to other than LRUs		*						-	-	-
A10.8. WARNING SYSTEMS										
A10.8.1. Enhanced Ground Proximity Warning System TR: 34-46-00										

C-37 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) (2) Crse CDC
A10.8.1.1. Theory of Operation								-	-	-
A10.8.1.2. Perform operational check	*							-	-	-
A10.8.1.3. Troubleshoot to LRUs								-	-	-
A10.8.1.4. Troubleshoot to other than LRUs								-	-	-
A10.8.2. Central Warning System										
A10.8.2.1. Theory of Operation								-	-	-
A10.8.2.2. Perform operational check								-	-	-
A10.8.2.3. Remove and install (R&I)										
A10.8.2.3.1. Fault warning computer								-	-	-
A10.8.2.3.2. Check list module								-	-	-
A10.8.2.4. Troubleshoot to LRUs								-	-	-
A10.8.2.5. Troubleshoot to other than LRUs								-	-	-
A10.9. FUEL QUANTITY MEASURING AND INDICATION SYSTEM TR: 28-41-00										
A10.9.1. Theory of Operation								-	-	-
A10.9.2. Perform operational check	*							-	-	-
A10.9.3. Troubleshoot to LRUs								-	-	-
A10.9.4. Troubleshoot to other than LRUs								-	-	-
A10.10. BRAKE TEMPERATURE INDICATING SYSTEM TR: 32-47-03										
A10.10.1. Theory of Operation								-	-	-
A10.10.2. Perform operational check	*							-	-	-
A10.10.3. Troubleshoot to LRUs								-	-	-
A10.10.4. Troubleshoot to other than LRUs								-	-	-

C-130 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC

ATTACHMENT 11 - C-130 Training Requirements

NOTE 1: The apprentice course will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.

NOTE 2: All course requirements are trained in the 3-level resident course during wartime. The 7-level in-residence course is not taught during wartime.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items marked in columns 2A or 2B marked with a */R are optional core tasks for ANG and AFRC.

NOTE 5: Items coded in column 4A will be trained using C-130 aircraft/systems. If C-130 aircraft/systems are unavailable, representative systems from other aircraft may be used.

NOTE 6: Address comments or recommended changes through the MAJCOM Functional Manager to the AETC Training Manager, at DSN 736-7891.

A11.1. GENERAL ORGANIZATIONAL MAINTENANCE TR: Applicable C-130 technical orders										
A11.1.1. Introduction to Aircraft/Airframe Familiarization								-	-	-
A11.1.2. Make Aircraft Safe for Maintenance	*							-	-	-
A11.1.3. Team Communication Training TR: AMC 21-104								-	-	-
A11.1.4. Select/Use Safetying Devices								-	-	-
A11.1.5. Major Structural Areas								-	-	-
A11.1.6. Major Aircraft Systems								-	-	-
A11.1.7. Tech Order Familiarization								-	-	-
A11.1.8. Flightline Safety/Precautions/Security								-	-	-
A11.1.9. Inspect/Operate Portable External Electrical Power Unit								-	-	-
A11.1.10. Inspect/Use Ground Maintenance Stands								-	-	-
A11.1.11. Welcome/Orientation								-	-	-
A11.2. GENERAL MAINTENANCE TASKS TR: 00-20 series and applicable C-130 technical orders										
A11.2.1. Dropped Object Prevention Program (DOPP)								-	-	-
A11.2.2. Defensive Systems (DS) Familiarization								-	-	-

C-130 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.2.3. Statically Ground Aircraft								-	-	-	-
A11.2.4. Perform Aircraft Wash								-	-	-	-
A11.2.5. Open/Close Engine Cowling								-	-	-	-
A11.2.6. Remove and install (R&I) aircraft Maintenance Access Panels								-	-	-	-
A11.2.7. Perform Aircraft Marshaling Procedures								-	-	-	-
A11.2.8. Operate Cargo Door/Ramp								-	-	-	-
A11.2.9. Deactivate Cargo Door/Ramp								-	-	-	-
A11.2.10. Recover/Launch Aircraft								-	-	-	-
A11.2.11. Use Aircraft Interphone System								-	-	-	-
A11.2.12. Aircraft Jacking											
A11.2.12.1. Jacking Team Supervisor								-	-	-	-
A11.2.12.2. Jacking Team Member								-	-	-	-
A11.2.13. Refuel /Defuel Aircraft											
A11.2.13.1. Refuel/Defuel Supervisor								-	-	-	-
A11.2.13.2. Refuel/Defuel Team Member								-	-	-	-
A11.2.14. Tow Aircraft											
A11.2.14.1. Perform Wing/Tail Walker Duties								-	-	-	-
A11.2.14.2. Brake Operator								-	-	-	-
A11.2.14.3. Tow Vehicle Operator								-	-	-	-
A11.2.14.4. Tow Supervisor								-	-	-	-
A11.2.15. Perform aircraft inspections											
A11.2.15.1. Periodic/Isochronal								-	-	-	-
A11.2.15.2. Home Station Check (HSC)								-	-	-	-
A11.2.15.3. Basic Postflight/Preflight/Thruflight								-	-	-	-

C-130 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.2.16. Apply/Disconnect Aircraft Electrical Power Using											
A11.2.16.1. Auxiliary Power Unit (APU)								-	-	-	-
A11.2.16.2. Gas Turbine Compressor (GTC)								-	-	-	-
A11.2.16.3. Generator/Powered AGE	*							-	-	-	-
A11.3. GENERAL FLIGHT CONTROLS											
A11.3.1. Position Indicating Systems											
A11.3.1.1. Flaps TR: Applicable 1C-130 technical orders											
A11.3.1.1.1. Theory of Operation								-	-	-	-
A11.3.1.1.2. System Tie-in/Integration								-	-	-	-
A11.3.1.1.3. Perform inspection								-	-	-	-
A11.3.1.1.4. Perform operational checks								-	-	-	-
A11.3.1.1.5. Remove and install (R&I) Flap Position Transmitter								-	-	-	-
A11.3.1.1.6. Perform Adjustments								-	-	-	-
A11.3.1.1.7. Troubleshoot to LRUs								-	-	-	-
A11.3.1.1.8. Troubleshoot to other than LRUs								-	-	-	-
A11.3.1.2. Flight Control Trim TR: Applicable 1C-130 technical orders											
A11.3.1.2.1. Theory of Operation								-	-	-	-
A11.3.1.2.2. System Tie-in/Integration								-	-	-	-
A11.3.1.2.3. Perform inspection								-	-	-	-
A11.3.1.2.4. Perform operational checks								-	-	-	-
A11.3.1.2.5. Perform Adjustments								-	-	-	-
A11.3.1.2.6. Troubleshoot to LRUs								-	-	-	-
A11.3.1.2.7. Troubleshoot to other than LRUs								-	-	-	-

C-130 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A11.3.2. Automatic Flight Control Systems										
A11.3.2.1. E-4 Autopilot TR: Applicable 1C-130 technical orders										
A11.3.2.1.1. Theory of Operation								-	-	-
A11.3.2.1.2. System Tie-In/Integration								-	-	-
A11.3.2.1.3. Perform inspection								-	-	-
A11.3.2.1.4. Perform operational checks								-	-	-
A11.3.2.1.5. Remove and install (R&I)										
A11.3.2.1.5.1. Servo Motor								-	-	-
A11.3.2.1.5.2. Drum and Bracket Assembly								-	-	-
A11.3.2.1.5.3. Release Switch								-	-	-
A11.3.2.1.6. Perform Cable Tension Adjustments								-	-	-
A11.3.2.1.7. Troubleshoot to LRUs								-	-	-
A11.3.2.1.8. Troubleshoot to other than LRUs								-	-	-
A11.3.2.1.9. Perform bench/minimum Performance checks								-	-	-
A11.3.2.2. AP-105 Autopilot TR: Applicable 1C-130 technical orders										
A11.3.2.2.1. Theory of Operation								-	-	-
A11.3.2.2.2. System Tie-in/Integration								-	-	-
A11.3.2.2.3. Perform inspection								-	-	-
A11.3.2.2.4. Perform operational checks								-	-	-
A11.3.2.2.5. Remove and install (R&I)										
A11.3.2.2.5.1. Servo Motor								-	-	-
A11.3.2.2.5.2. Drum and Bracket Assembly								-	-	-
A11.3.2.2.5.3. Release Switch								-	-	-
A11.3.2.2.6. Perform Cable Tension Adjustments								-	-	-

C-130 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.3.2.2.7. Troubleshoot to LRUs								-	-	-	-
A11.3.2.2.8. Troubleshoot to other than LRUs								-	-	-	-
A11.3.2.3. AN/AYW-1(V)1 Digital Autopilot TR: Applicable 1C-130 technical orders											
A11.3.2.3.1. Theory of Operation								-	-	-	-
A11.3.2.3.2. System Tie-in/Integration								-	-	-	-
A11.3.2.3.3. Perform inspection								-	-	-	-
A11.3.2.3.4. Perform operational checks								-	-	-	-
A11.3.2.3.5. Remove and install (R&I)											
A11.3.2.3.5.1. Servo Motor								-	-	-	-
A11.3.2.3.5.2. Drum and Bracket Assembly								-	-	-	-
A11.3.2.3.5.3. Release Switch								-	-	-	-
A11.3.2.3.6. Perform Cable Tension Adjustments								-	-	-	-
A11.3.2.3.7. Troubleshoot to LRUs								-	-	-	-
A11.3.2.3.8. Troubleshoot to other than LRUs								-	-	-	-
A11.3.2.3.9. Perform bench/minimum performance checks								-	-	-	-
A11.3.2.4. Digital Autopilot/Flight Director (DA/FD) (C-130J) TR: Applicable 1C-130 technical orders											
A11.3.2.4.1. Theory of Operation								-	-	-	-
A11.3.2.4.2. System Tie-in/Integration								-	-	-	-
A11.3.2.4.3. Perform inspection								-	-	-	-
A11.3.2.4.4. Perform operational checks								-	-	-	-
A11.3.2.4.5. Remove and install (R&I)											
A11.3.2.4.5.1. Servo Motor								-	-	-	-
A11.3.2.4.5.2. Drum and Bracket Assembly								-	-	-	-

C-130 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.3.2.4.5.3. Automatic Flight Control Processor								-	-	-	-
A11.3.2.4.6. Perform Cable Tension Adjustments								-	-	-	-
A11.3.2.4.7. Troubleshoot to LRUs								-	-	-	-
A11.3.2.4.8. Troubleshoot to other than LRUs								-	-	-	-
A11.3.2.5. Autothrottle (C-130J) TR: Applicable 1C-130 technical orders											
A11.3.2.5.1. Theory of Operation								-	-	-	-
A11.3.2.5.2. System Tie-in/Integration								-	-	-	-
A11.3.2.5.3. Perform inspection								-	-	-	-
A11.3.2.5.4. Perform operational checks								-	-	-	-
A11.3.2.5.5. Remove and install (R&I) Throttle Quadrant								-	-	-	-
A11.3.2.5.6. Troubleshoot to LRUs								-	-	-	-
A11.3.2.5.7. Troubleshoot to other than LRUs								-	-	-	-
A11.4. GENERAL COMPUTER COMPLEX (C-130J)											
A11.4.1. Controls and Display TR: Applicable 1C-130 technical orders											
A11.4.1.1. Theory of Operation								-	-	-	-
A11.4.1.2. System Tie-in/Integration								-	-	-	-
A11.4.1.3. Perform inspection								-	-	-	-
A11.4.1.4. Perform operational checks								-	-	-	-
A11.4.1.5. Troubleshoot to LRUs								-	-	-	-
A11.4.1.6. Troubleshoot to other than LRUs								-	-	-	-
A11.4.1.7. Perform bench/minimum performance checks								-	-	-	-
A11.4.2. Data Transfer System TR: Applicable 1C-130 technical orders											
A11.4.2.1. Theory of Operation								-	-	-	-

C-130 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.4.2.2. System Tie-in/Integration								-	-	-	-
A11.4.2.3. Perform inspection								-	-	-	-
A11.4.2.4. Perform operational checks								-	-	-	-
A11.4.2.5. Upload/Download software								-	-	-	-
A11.4.2.6. Troubleshoot to LRUs								-	-	-	-
A11.4.2.7. Troubleshoot to other than LRUs								-	-	-	-
A11.4.3. Mission Computers TR: Applicable 1C-130 technical orders											
A11.4.3.1. Theory of Operation								-	-	-	-
A11.4.3.2. System Tie-in/Integration								-	-	-	-
A11.4.3.3. Perform inspection								-	-	-	-
A11.4.3.4. Perform operational checks	*							-	-	-	-
A11.4.3.5. Remove and install (R&I)											
A11.4.3.5.1. Multipurpose Display Unit								-	-	-	-
A11.4.3.5.2. Bus Interface Unit								-	-	-	-
A11.4.3.6. Troubleshoot to LRUs								-	-	-	-
A11.4.3.7. Troubleshoot to other than LRUs								-	-	-	-
A11.4.3.8. Operate PMA								-	-	-	-
A11.4.3.9. Operate CNBP								-	-	-	-
A11.4.3.10. Operate CNIMU								-	-	-	-
A11.4.3.11. Load Software								-	-	-	-
A11.5. GENERAL NAVIGATION SYSTEMS											
A11.5.1. Flight Director Systems											
A11.5.1.1. Air Force Standard TR: Applicable 1C-130 technical orders											
A11.5.1.1.1. Theory of Operation								-	-	-	-

C-130 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.5.1.1.2. System Tie-in/Integration								-	-	-	-
A11.5.1.1.3. Perform inspection								-	-	-	-
A11.5.1.1.4. Perform operational checks								-	-	-	-
A11.5.1.1.5. Remove and install (R&I) Flight Director Mode Select Panel (FDMS)								-	-	-	-
A11.5.1.1.6. Troubleshoot to LRUs								-	-	-	-
A11.5.1.1.7. Troubleshoot to other than LRUs								-	-	-	-
A11.5.1.1.8. Perform bench/minimum performance checks								-	-	-	-
A11.5.1.2. FD-109 TR: Applicable 1C-130 technical orders											
A11.5.1.2.1. Theory of Operation								-	-	-	-
A11.5.1.2.2. System Tie-in/Integration								-	-	-	-
A11.5.1.2.3. Perform inspection								-	-	-	-
A11.5.1.2.4. Perform operational checks								-	-	-	-
A11.5.1.2.5. Remove and install (R&I)											
A11.5.1.2.5.1. G/A and P/S switch								-	-	-	-
A11.5.1.2.5.2. Air Data Control (ADC)								-	-	-	-
A11.5.1.2.5.3. Flight Director Mode Select Panel (FDMS)								-	-	-	-
A11.5.1.2.6. Troubleshoot to LRUs								-	-	-	-
A11.5.1.2.7. Troubleshoot to other than LRUs								-	-	-	-
A11.5.1.2.8. Perform bench/minimum performance checks								-	-	-	-
A11.5.2. Compass Systems											
A11.5.2.1. C-12 Compass TR: Applicable 1C-130 technical orders											
A11.5.2.1.1. Theory of Operation								-	-	-	-
A11.5.2.1.2. System Tie-in/Integration								-	-	-	-

C-130 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.5.2.1.3. Perform inspection								-	-	-	-
A11.5.2.1.4. Perform operational checks	*							-	-	-	-
A11.5.2.1.5. Remove and install (R&I) Flux Valve								-	-	-	-
A11.5.2.1.6. Troubleshoot to LRUs								-	-	-	-
A11.5.2.1.7. Troubleshoot to other than LRUs								-	-	-	-
A11.5.2.1.8. Perform bench/minimum performance checks								-	-	-	-
A11.5.2.2. N-1 Compass TR: Applicable 1C-130 technical orders											
A11.5.2.2.1. Theory of Operation								-	-	-	-
A11.5.2.2.2. System Tie-in/Integration								-	-	-	-
A11.5.2.2.3. Perform inspection								-	-	-	-
A11.5.2.2.4. Perform operational checks	*							-	-	-	-
A11.5.2.2.5. Remove and install (R&I)											
A11.5.2.2.5.1. Flux Valve								-	-	-	-
A11.5.2.2.5.2. Indicator								-	-	-	-
A11.5.2.2.6. Adjust Amplifier	*							-	-	-	-
A11.5.2.2.7. Troubleshoot to LRUs								-	-	-	-
A11.5.2.2.8. Troubleshoot to other than LRUs								-	-	-	-
A11.5.2.2.9. Perform bench/minimum performance checks								-	-	-	-
A11.5.2.3. Standby Compass TR: Applicable 1C-130 technical orders											
A11.5.2.3.1. Theory of Operation								-	-	-	-
A11.5.2.3.2. Perform inspection								-	-	-	-
A11.5.2.3.3. Perform operational checks								-	-	-	-
A11.5.2.3.4. Perform Adjustments								-	-	-	-

C-130 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.5.3. Inertial Navigation Systems (INS)											
A11.5.3.1. Inertial Navigation System (INS) TR: Applicable 1C-130 technical orders											
A11.5.3.1.1. Theory of Operation								-	-	-	-
A11.5.3.1.2. System Tie-in/Integration								-	-	-	-
A11.5.3.1.3. Perform inspection								-	-	-	-
A11.5.3.1.4. Perform operational checks								-	-	-	-
A11.5.3.1.5. Troubleshoot to LRUs								-	-	-	-
A11.5.3.1.6. Troubleshoot to other than LRUs								-	-	-	-
A11.5.3.1.7. Perform bench/minimum performance checks								-	-	-	-
A11.5.3.2. Self Contained Navigational System (SCNS) TR: Applicable 1C-130 technical orders											
A11.5.3.2.1. Theory of Operation								-	-	-	-
A11.5.3.2.2. System Tie-in/Integration								-	-	-	-
A11.5.3.2.3. Perform inspection								-	-	-	-
A11.5.3.2.4. Perform operational checks								-	-	-	-
A11.5.3.3. Computer Aided Navigation System (CANS) TR: Applicable 1C-130 technical orders											
A11.5.3.3.1. Theory of Operation								-	-	-	-
A11.5.3.3.2. System Tie-in/Integration								-	-	-	-
A11.5.3.3.3. Perform inspection								-	-	-	-
A11.5.3.3.4. Perform operational checks								-	-	-	-
A11.5.3.3.5. Troubleshoot to LRUs								-	-	-	-
A11.5.3.3.6. Troubleshoot to other than LRUs								-	-	-	-
A11.5.3.4. Periscopic Sextant TR: Applicable 1C-130 technical orders											

C-130 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse CDC	(1) CDC	(1) Crse (2) CDC
A11.5.3.4.1. Theory of Operation								-	-	-
A11.5.3.4.2. Perform inspection								-	-	-
A11.5.3.4.3. Perform operational checks								-	-	-
A11.5.3.4.4. Remove and install (R&I)								-	-	-
A11.5.3.4.4.1. Sextant Mount/Base								-	-	-
A11.5.3.4.4.2. Sextant Shutter Assembly								-	-	-
A11.5.3.4.5. Perform Adjustments								-	-	-
A11.5.3.4.6. Troubleshoot								-	-	-
A11.5.3.4.7. Perform bench/minimum performance checks								-	-	-
A11.6. FLIGHT INSTRUMENTS										
A11.6.1. Pitot/Static System TR: Applicable 1C-130 technical orders										
A11.6.1.1. Theory of Operation								-	-	-
A11.6.1.2. System Tie-in/Integration								-	-	-
A11.6.1.3. Perform inspection								-	-	-
A11.6.1.4. Perform operational checks	*							-	-	-
A11.6.1.5. Remove and install (R&I)										
A11.6.1.5.1. Static Port								-	-	-
A11.6.1.5.2. Pitot Head/Static Port								-	-	-
A11.6.1.5.3. Differential Pressure Transducer								-	-	-
A11.6.1.5.4. Pitot Static Indicating Components								-	-	-
A11.6.1.6. Purge System								-	-	-
A11.6.1.7. Manufacture Pitot/Static Hoses								-	-	-
A11.6.1.8. Troubleshoot to LRUs								-	-	-
A11.6.1.9. Troubleshoot to other than LRUs								-	-	-

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1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.6.2. Altimeters/Encoded Altimeters TR: Applicable 1C-130 technical orders											
A11.6.2.1. Theory of Operation								-	-	-	-
A11.6.2.2. System Tie-in/Integration								-	-	-	-
A11.6.2.3. Perform inspection								-	-	-	-
A11.6.2.4. Perform operational checks								-	-	-	-
A11.6.2.5. Perform Calibration/Adjustments								-	-	-	-
A11.6.2.6. Troubleshoot to LRUs								-	-	-	-
A11.6.2.7. Troubleshoot to other than LRUs								-	-	-	-
A11.6.2.8. Perform bench/minimum performance checks								-	-	-	-
A11.6.3. Airspeed Indicator TR: Applicable 1C-130 technical orders											
A11.6.3.1. Theory of Operation								-	-	-	-
A11.6.3.2. System Tie-in/Integration								-	-	-	-
A11.6.3.3. Perform inspection								-	-	-	-
A11.6.3.4. Perform operational checks								-	-	-	-
A11.6.3.5. Perform Calibration/Adjustments								-	-	-	-
A11.6.3.6. Troubleshoot to LRUs								-	-	-	-
A11.6.3.7. Troubleshoot to other than LRUs								-	-	-	-
A11.6.4. Vertical Velocity (VVI)/Vertical Speed Indicator (VSI) TR: Applicable 1C-130 technical orders											
A11.6.4.1. Theory of Operation								-	-	-	-
A11.6.4.2. System Tie-in/Integration								-	-	-	-
A11.6.4.3. Perform inspection								-	-	-	-
A11.6.4.4. Perform operational checks								-	-	-	-
A11.6.4.5. Perform Adjustments								-	-	-	-

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1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.6.4.6. Troubleshoot								-	-	-	-
A11.6.5. True Airspeed Indicator TR: Applicable 1C-130 technical orders											
A11.6.5.1. Theory of Operation								-	-	-	-
A11.6.5.2. Perform inspection								-	-	-	-
A11.6.5.3. Perform operational checks								-	-	-	-
A11.6.5.4. Troubleshoot								-	-	-	-
A11.6.6. Accelerometers TR: Applicable 1C-130 technical orders											
A11.6.6.1. Theory of Operation								-	-	-	-
A11.6.6.2. Perform inspection								-	-	-	-
A11.6.6.3. Perform operational checks								-	-	-	-
A11.6.6.4. Troubleshoot								-	-	-	-
A11.6.7. Outside Air Temp (OAT)/Free Air Temp (FAT) TR: Applicable 1C-130 technical orders											
A11.6.7.1. Theory of Operation								-	-	-	-
A11.6.7.2. Perform inspection								-	-	-	-
A11.6.7.3. Perform operational checks								-	-	-	-
A11.6.7.4. Remove and install (R&I) Temp Bulb/Probe								-	-	-	-
A11.6.7.5. Troubleshoot								-	-	-	-
A11.6.8. Head Up Display (HUD) (C-130J) TR: Applicable 1C-130 technical orders											
A11.6.8.1. Theory of Operation								-	-	-	-
A11.6.8.2. System Tie-in/Integration								-	-	-	-
A11.6.8.3. Perform inspection								-	-	-	-
A11.6.8.4. Perform operational checks								-	-	-	-
A11.6.8.5. Remove and install (R&I)											

C-130 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.6.8.5.1. HUD Overhead Unit								-	-	-	-
A11.6.8.5.2. HUD Combiner								-	-	-	-
A11.6.8.6. Perform Calibration/Adjustments								-	-	-	-
A11.6.8.7. Troubleshoot to LRUs								-	-	-	-
A11.6.8.8. Troubleshoot to other than LRUs								-	-	-	-
A11.6.9. Angle of Attack (AOA) (C-130J) TR: Applicable 1C-130 technical orders											
A11.6.9.1. Theory of Operation								-	-	-	-
A11.6.9.2. System Tie-in/Integration								-	-	-	-
A11.6.9.3. Perform inspection								-	-	-	-
A11.6.9.4. Perform operational checks								-	-	-	-
A11.6.9.5. Remove and install (R&I) Angle of Attack Transducer								-	-	-	-
A11.6.9.6. Troubleshoot to LRUs								-	-	-	-
A11.6.9.7. Troubleshoot to other than LRUs								-	-	-	-
A11.6.10. Aircraft Clock Analog/Digital TR: Applicable 1C-130 technical orders											
A11.6.10.1. Theory of Operation								-	-	-	-
A11.6.10.2. Perform inspection								-	-	-	-
A11.6.10.3. Perform operational checks								-	-	-	-
A11.6.10.4. Remove and install (R&I) Battery								-	-	-	-
A11.6.10.5. Troubleshoot								-	-	-	-
A11.6.11. Standby ADI TR: Applicable 1C-130 technical orders											
A11.6.11.1. Theory of Operation								-	-	-	-
A11.6.11.2. Perform inspection								-	-	-	-
A11.6.11.3. Perform operational checks								-	-	-	-

C-130 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.6.11.4. Troubleshoot								-	-	-	-
A11.7. AIR DATA SYSTEMS											
A11.7.1. Digital Air Data Computer System (DADC) TR: Applicable 1C-130 technical orders											
A11.7.1.1. Theory of Operation								-	-	-	-
A11.7.1.2. System Tie-in/Integration								-	-	-	-
A11.7.1.3. Perform inspection								-	-	-	-
A11.7.1.4. Perform operational checks	*							-	-	-	-
A11.7.1.5. Remove and install (R&I)											
A11.7.1.5.1. Static Air Temp Probe								-	-	-	-
A11.7.1.6. Troubleshoot to LRUs								-	-	-	-
A11.7.1.7. Troubleshoot to other than LRUs								-	-	-	-
A11.7.1.8. Perform Bench/ Minimum performance checks								-	-	-	-
A11.7.2. Distributed Air Data System(DADS) (C-130J) TR: Applicable 1C-130 technical orders											
A11.7.2.1. Theory of Operation								-	-	-	-
A11.7.2.2. System Tie-in/Integration								-	-	-	-
A11.7.2.3. Perform inspection								-	-	-	-
A11.7.2.4. Perform operational checks	*							-	-	-	-
A11.7.2.5. Remove and install (R&I)											
A11.7.2.5.1. Total Air Temp Probe								-	-	-	-
A11.7.2.5.2. Central Air Data Computer								-	-	-	-
A11.7.2.5.3. Static Pressure Transducer Unit								-	-	-	-
A11.7.2.5.4. Pitot/Static Probe								-	-	-	-
A11.7.2.5.5. Airspeed Altimeter Indicator								-	-	-	-

C-130 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.7.2.6. Perform Altimeter Adjustments								-	-	-	-
A11.7.2.7. Troubleshoot to LRUs								-	-	-	-
A11.7.2.8. Troubleshoot to other than LRUs								-	-	-	-
A11.7.3. Standard Central Air Data Computer System TR: Applicable 1C-130 technical orders											
A11.7.3.1. Theory of Operation								-	-	-	-
A11.7.3.2. System Tie-in/Integration								-	-	-	-
A11.7.3.3. Perform inspection								-	-	-	-
A11.7.3.4. Perform operational checks	*							-	-	-	-
A11.7.3.5. Troubleshoot to LRUs								-	-	-	-
A11.7.3.6. Troubleshoot to other than LRUs								-	-	-	-
A11.7.4. True Airspeed Computer System TR: Applicable 1C-130 technical orders											
A11.7.4.1. Theory of Operation								-	-	-	-
A11.7.4.2. System Tie-in/Integration								-	-	-	-
A11.7.4.3. Perform inspection								-	-	-	-
A11.7.4.4. Perform operational checks								-	-	-	-
A11.7.4.5. Remove and install (R&I) Total Air Temp Probe								-	-	-	-
A11.7.4.6. Troubleshoot to LRUs								-	-	-	-
A11.7.4.7. Troubleshoot to other than LRUs								-	-	-	-
A11.8. DATA RECORDERS											
A11.8.1. Digital Flight Data Recording System (DFDR) TR: Applicable 1C-130 technical orders											
A11.8.1.1. Theory of Operation								-	-	-	-
A11.8.1.2. System Tie-in/Integration								-	-	-	-
A11.8.1.3. Perform inspection								-	-	-	-

C-130 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse CDC	(1) CDC	(1) Crse (2) CDC
A11.8.1.4. Perform operational checks								-	-	-
A11.8.1.5. Remove and install (R&I)										
A11.8.1.5.1. Pressure Transducers								-	-	-
A11.8.1.5.2. Position Transducers								-	-	-
A11.8.1.6. Perform Transducer Adjustments								-	-	-
A11.8.1.7. Perform Tape Copy/ Download System								-	-	-
A11.8.1.8. Troubleshoot to LRUs								-	-	-
A11.8.1.9. Troubleshoot to other than LRUs								-	-	-
A11.9. WARNING SYSTEMS										
A11.9.1. Ground Collision Avoidance System (GCAS) TR: Applicable 1C-130 technical orders										
A11.9.1.1. Theory of Operation								-	-	-
A11.9.1.2. System Tie-in/Integration								-	-	-
A11.9.1.3. Perform inspection								-	-	-
A11.9.1.4. Perform operational checks								-	-	-
A11.9.1.5. Troubleshoot to LRUs								-	-	-
A11.9.1.6. Troubleshoot to other than LRUs								-	-	-
A11.9.2. Altitude Alerter System TR: Applicable 1C-130 technical orders										
A11.9.2.1. Theory of Operation								-	-	-
A11.9.2.2. System Tie-in/Integration								-	-	-
A11.9.2.3. Perform inspection								-	-	-
A11.9.2.4. Perform operational checks								-	-	-
A11.9.2.5. Remove and install (R&I)										
A11.9.2.5.1. Tone Generator								-	-	-

C-130 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.9.2.5.2. Speaker								-	-	-	-
A11.9.2.5.3. Speaker Amplifier								-	-	-	-
A11.9.2.6. Troubleshoot to LRUs								-	-	-	-
A11.9.2.7. Troubleshoot to other than LRUs								-	-	-	-
A11.9.3. Stall Warning/Prevention System (C-130J) TR: Applicable 1C-130 technical orders											
A11.9.3.1. Theory of Operation								-	-	-	-
A11.9.3.2. System Tie-in/Integration								-	-	-	-
A11.9.3.3. Perform inspection								-	-	-	-
A11.9.3.4. Perform operational checks								-	-	-	-
A11.9.3.5. Remove and install (R&I)											
A11.9.3.5.1. Stick Pusher Actuator								-	-	-	-
A11.9.3.5.2. Stick Pusher Capstan								-	-	-	-
A11.9.3.5.3. Stick Pusher Control Cables								-	-	-	-
A11.9.3.5.4. Stick Pusher Sector Assembly								-	-	-	-
A11.9.3.6. Perform Cable Tension Adjustments								-	-	-	-
A11.9.3.7. Troubleshoot to LRUs								-	-	-	-
A11.9.3.8. Troubleshoot to other than LRUs								-	-	-	-
A11.9.4. Alert/Caution and Warning System (ACAWS) (C-130J) TR: Applicable 1C-130 technical orders											
A11.9.4.1. Theory of Operation								-	-	-	-
A11.9.4.2. System Tie-in/Integration								-	-	-	-
A11.9.4.3. Perform inspection								-	-	-	-
A11.9.4.4. Perform operational checks								-	-	-	-
A11.9.4.5. Troubleshoot to LRUs								-	-	-	-

C-130 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.9.4.6. Troubleshoot to other than LRUs								-	-	-	-
A11.10. ENGINE/AUXILIARY POWER UNIT (APU) INDICATING SYSTEMS											
A11.10.1. Temperature Indicating Systems											
A11.10.1.1. TIT/MGT/EGT TR: Applicable 1C-130 technical orders											
A11.10.1.1.1. Theory of Operation								-	-	-	-
A11.10.1.1.2. System Tie-in/Integration								-	-	-	-
A11.10.1.1.3. Perform inspection								-	-	-	-
A11.10.1.1.4. Perform operational checks								-	-	-	-
A11.10.1.1.5. Remove and install (R&I) EGT Indicator								-	-	-	-
A11.10.1.1.6. Perform Adjustment of EGT Indicator								-	-	-	-
A11.10.1.1.7. Troubleshoot to LRUs								-	-	-	-
A11.10.1.1.8. Troubleshoot to other than LRUs								-	-	-	-
A11.10.1.1.9. Perform bench/minimum performance checks								-	-	-	-
A11.10.1.2. Oil Temperature TR: Applicable 1C-130 technical orders											
A11.10.1.2.1. Theory of Operation								-	-	-	-
A11.10.1.2.2. System Tie-in/Integration								-	-	-	-
A11.10.1.2.3. Perform inspection								-	-	-	-
A11.10.1.2.4. Perform operational checks								-	-	-	-
A11.10.1.2.5. Remove and install (R&I) Temperature Bulb								-	-	-	-
A11.10.1.2.6. Troubleshoot to LRUs								-	-	-	-
A11.10.1.2.7. Troubleshoot to other than LRUs								-	-	-	-
A11.10.2. Tachometer TR: Applicable 1C-130 technical orders											
A11.10.2.1. Theory of Operation								-	-	-	-

C-130 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.10.2.2. System Tie-in/Integration								-	-	-	-
A11.10.2.3. Perform inspection								-	-	-	-
A11.10.2.4. Perform operational checks								-	-	-	-
A11.10.2.5. Remove and install (R&I) Tachometer Generator								-	-	-	-
A11.10.2.6. Troubleshoot to LRUs								-	-	-	-
A11.10.2.7. Troubleshoot to other than LRUs								-	-	-	-
A11.10.2.8. Perform bench/minimum performance checks								-	-	-	-
A11.10.3. Oil Pressure TR: Applicable 1C-130 technical orders											
A11.10.3.1. Theory of Operation								-	-	-	-
A11.10.3.2. System Tie-in/Integration								-	-	-	-
A11.10.3.3. Perform inspection								-	-	-	-
A11.10.3.4. Perform operational checks								-	-	-	-
A11.10.3.5. Remove and install (R&I) Pressure Transmitters								-	-	-	-
A11.10.3.6. Perform Adjustment of Pressure Transmitter								-	-	-	-
A11.10.3.7. Troubleshoot to LRUs								-	-	-	-
A11.10.3.8. Troubleshoot to other than LRUs								-	-	-	-
A11.10.3.9. Perform Bench/ Minimum performance checks								-	-	-	-
A11.10.4. Fuel Flow TR: Applicable 1C-130 technical orders											
A11.10.4.1. Theory of Operation								-	-	-	-
A11.10.4.2. System Tie-in/Integration								-	-	-	-
A11.10.4.3. Perform inspection								-	-	-	-
A11.10.4.4. Perform operational checks								-	-	-	-

C-130 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse CDC	(1) CDC	(1) Crse (2) CDC
A11.10.4.5. Remove and install (R&I) Fuel Flow Transmitters								-	-	-
A11.10.4.6. Troubleshoot to LRUs								-	-	-
A11.10.4.7. Troubleshoot to other than LRUs								-	-	-
A11.10.4.8. Perform bench/minimum performance checks								-	-	-
A11.10.5. Torque/Horsepower TR: Applicable 1C-130 technical orders										
A11.10.5.1. Theory of Operation								-	-	-
A11.10.5.2. System Tie-in/Integration								-	-	-
A11.10.5.3. Perform inspection								-	-	-
A11.10.5.4. Perform operational checks								-	-	-
A11.10.5.5. Perform Calibration								-	-	-
A11.10.5.6 Perform Hot/Cold Calibration Type I Indicator								-	-	-
A11.10.5.7. Troubleshoot to LRUs								-	-	-
A11.10.5.8. Troubleshoot to other than LRUs								-	-	-
A11.10.5.9. Perform bench/minimum performance checks								-	-	-
A11.10.6. Oil Cooler Flap TR: Applicable 1C-130 technical orders										
A11.10.6.1. Theory of Operation								-	-	-
A11.10.6.2. System Tie-in/Integration								-	-	-
A11.10.6.3. Perform inspection								-	-	-
A11.10.6.4. Perform operational checks								-	-	-
A11.10.6.5. Troubleshoot to LRUs								-	-	-
A11.10.6.6. Troubleshoot to other than LRUs								-	-	-
A11.10.6.7. Oil Quantity TR: Applicable 1C-130 technical orders										
A11.10.7.1. Theory of Operation								-	-	-

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2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.10.7.2. System Tie-in/Integration								-	-	-	-
A11.10.7.3. Perform inspection								-	-	-	-
A11.10.7.4. Perform operational checks								-	-	-	-
A11.10.7.5. Remove and install (R&I) Transmitter								-	-	-	-
A11.10.7.6. Perform Calibration/Adjustments								-	-	-	-
A11.10.7.7. Troubleshoot to LRUs								-	-	-	-
A11.10.7.8. Troubleshoot to other than LRUs								-	-	-	-
A11.10.7.9. Perform Bench/ Minimum performance checks								-	-	-	-
A11.10.8. Type I/ II Liquid Crystal Display Instruments TR: Applicable 1C-130 technical orders											
A11.10.8.1. Theory of Operation								-	-	-	-
A11.10.8.2. Perform inspection								-	-	-	-
A11.10.8.3. Perform operational checks								-	-	-	-
A11.10.8.4. Troubleshoot to LRUs								-	-	-	-
A11.10.8.5. Troubleshoot to other than LRUs								-	-	-	-
A11.10.8.6. Perform Bench/ Minimum performance checks								-	-	-	-
A11.11. LIQUID QUANTITY INDICATION											
A11.11.1. Fuel Quantity											
A11.11.1.1. Analog TR: Applicable 1C-130 technical orders											
A11.11.1.1.1. Theory of Operation								-	-	-	-
A11.11.1.1.2. System Tie-in/Integration								-	-	-	-
A11.11.1.1.3. Perform inspection								-	-	-	-
A11.11.1.1.4. Perform operational checks								-	-	-	-
A11.11.1.1.5. Remove and install (R&I) Probes								-	-	-	-

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1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.11.1.6. Perform Calibration Tank Indicator	*							-	-	-	-
A11.11.1.7. Perform Calibration Totalizer								-	-	-	-
A11.11.1.8. Troubleshoot to LRUs								-	-	-	-
A11.11.1.9. Troubleshoot to other than LRUs								-	-	-	-
A11.11.1.2. Digital TR: Applicable 1C-130 technical orders											
A11.11.1.2.1. Theory of Operation								-	-	-	-
A11.11.1.2.2. System Tie-in/Integration								-	-	-	-
A11.11.1.2.3. Perform inspection								-	-	-	-
A11.11.1.2.4. Perform operational checks								-	-	-	-
A11.11.1.2.5. Remove and install (R&I) Probes								-	-	-	-
A11.11.1.2.6. Perform Calibration Tank Indicator	*							-	-	-	-
A11.11.1.2.7. Troubleshoot to LRUs								-	-	-	-
A11.11.1.2.8. Troubleshoot to other than LRUs								-	-	-	-
A11.11.1.3. Fuel Management System (C-130J) TR: Applicable 1C-130 technical orders											
A11.11.1.3.1. Theory of Operation								-	-	-	-
A11.11.1.3.2. System Tie-in/Integration								-	-	-	-
A11.11.1.3.3. Perform inspection								-	-	-	-
A11.11.1.3.4. Perform operational checks								-	-	-	-
A11.11.1.3.5. Remove and install (R&I)											
A11.11.1.3.5.1. Fuel Management Controller								-	-	-	-
A11.11.1.3.5.2. Probes								-	-	-	-
A11.11.1.3.6. Perform Calibration	*							-	-	-	-
A11.11.1.3.7. Troubleshoot to LRUs								-	-	-	-
A11.11.1.3.8. Troubleshoot to other than LRUs								-	-	-	-

C-130 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.11.2. Liquid Oxygen Quantity (LOX) TR: Applicable 1C-130 technical orders											
A11.11.2.1. Theory of Operation								-	-	-	-
A11.11.2.2. System Tie-in/Integration								-	-	-	-
A11.11.2.3. Perform inspection								-	-	-	-
A11.11.2.4. Perform operational checks								-	-	-	-
A11.11.2.5. Perform Calibration								-	-	-	-
A11.11.2.6. Troubleshoot to LRUs								-	-	-	-
A11.11.2.7. Troubleshoot to other than LRUs								-	-	-	-
A11.12. HYDRAULIC PRESSURE INDICATING SYSTEM TR: Applicable 1C-130 technical orders											
A11.12.1. Theory of Operation								-	-	-	-
A11.12.2. System Tie-in/Integration								-	-	-	-
A11.12.3. Perform inspection								-	-	-	-
A11.12.4. Perform operational checks								-	-	-	-
A11.12.5. Remove and install (R&I) Pressure Transmitters								-	-	-	-
A11.12.6. Perform Adjustment of Pressure Transmitter								-	-	-	-
A11.12.7. Troubleshoot to LRUs								-	-	-	-
A11.12.8. Troubleshoot to other than LRUs								-	-	-	-
A11.13. MISCELLANEOUS											
A11.13.1. Fuel Pressure TR: Applicable 1C-130 technical orders											
A11.13.1.1. Theory of Operation								-	-	-	-
A11.13.1.2. System Tie-in/Integration								-	-	-	-
A11.13.1.3. Perform inspection								-	-	-	-
A11.13.1.4. Perform operational checks								-	-	-	-

C-130 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.13.1.5. Remove and install (R&I) Pressure Transmitters								-	-	-	-
A11.13.1.6. Perform Adjustment of Pressure Transmitter								-	-	-	-
A11.13.1.7. Troubleshoot to LRUs								-	-	-	-
A11.13.1.8. Troubleshoot to other than LRUs								-	-	-	-
A11.13.2. In-flight Refueling System M/HC-130P											
A11.13.2.1. Fuel Flow TR: Applicable 1C-130 technical orders											
A11.13.2.1.1. Theory of Operation								-	-	-	-
A11.13.2.1.2. System Tie-in/Integration								-	-	-	-
A11.13.2.1.3. Perform inspection								-	-	-	-
A11.13.2.1.4. Perform operational checks								-	-	-	-
A11.13.2.1.5. Troubleshoot to LRUs								-	-	-	-
A11.13.2.1.6. Troubleshoot to other than LRUs								-	-	-	-
A11.13.2.2. Fuel Pressure TR: Applicable 1C-130 technical orders											
A11.13.2.2.1. Theory of Operation								-	-	-	-
A11.13.2.2.2. System Tie-in/Integration								-	-	-	-
A11.13.2.2.3. Perform inspection								-	-	-	-
A11.13.2.2.4. Perform operational checks								-	-	-	-
A11.13.2.2.5. Troubleshoot to LRUs								-	-	-	-
A11.13.2.2.6. Troubleshoot to other than LRUs								-	-	-	-
A11.13.2.3. Fuel Counter TR: Applicable 1C-130 technical orders											
A11.13.2.3.1. Theory of Operation								-	-	-	-
A11.13.2.3.2. System Tie-in/Integration								-	-	-	-
A11.13.2.3.3. Perform inspection								-	-	-	-

C-130 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.13.2.3.4. Perform operational checks								-	-	-	-
A11.13.2.3.5. Perform Adjustment								-	-	-	-
A11.13.2.3.6. Troubleshoot to LRUs								-	-	-	-
A11.13.2.3.7. Troubleshoot to other than LRUs								-	-	-	-
A11.13.2.3.8. Perform Bench/ Minimum performance checks								-	-	-	-
A11.13.2.4. Fuselage Tank Quantity TR: Applicable 1C-130 technical orders											
A11.13.2.4.1. Theory of Operation								-	-	-	-
A11.13.2.4.2. System Tie-in/Integration								-	-	-	-
A11.13.2.4.3. Perform inspection								-	-	-	-
A11.13.2.4.4. Perform operational checks								-	-	-	-
A11.13.2.4.5. Remove and install (R&I) Probe								-	-	-	-
A11.13.2.4.6. Perform Calibration								-	-	-	-
A11.13.2.4.7. Troubleshoot to LRUs								-	-	-	-
A11.13.2.4.8. Troubleshoot to other than LRUs								-	-	-	-
A11.14. REMOVE/INSTALL STANDARD MOUNT (C-130J) TR: Applicable 1C-130 technical orders											
A11.14.1. Type 1	*							-	-	-	-
A11.14.2. Type 2	*							-	-	-	-
A11.14.3. Type 3	*							-	-	-	-
A11.14.4. Type 4	*							-	-	-	-
A11.14.5. Type 5	*							-	-	-	-
A11.15. USE TEST EQUIPMENT											
A11.15.1. Instrument Test Set								-	-	-	-
A11.15.2. C-12 Compass Flight Line Test Set								-	-	-	-

C-130 TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A11.15.3. Flight Director Test Set								-	-	-	-
A11.15.4. DFDR Copy Unit								-	-	-	-
A11.15.5. DFDR Flight Line Tester								-	-	-	-
A11.15.6. Instrument Switching Unit Tester								-	-	-	-
A11.15.7. Fuel Quantity Adapter Breakout Box								-	-	-	-
A11.15.8. Tube Tester								-	-	-	-
A11.15.9. Autopilot Line Analyzer								-	-	-	-
A11.15.10. HIS Test Set								-	-	-	-
A11.15.11. Universal ADI Test Set								-	-	-	-

C-135 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES										
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC

ATTACHMENT 12 - C-135 Training Requirements

NOTE 1: The apprentice course will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.

NOTE 2: All course requirements are trained in the 3-level resident course during wartime. The 7-level in-residence course is not taught during wartime.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items marked in columns 2A or 2B marked with a */R are optional core tasks for ANG and AFRC.

NOTE 5: Items coded in column 4A will be trained using C-135 aircraft/systems. If C-135 aircraft/systems are unavailable, representative systems from other aircraft may be used.

NOTE 6: Address comments or recommended changes through the MAJCOM Functional Manager to the AETC Training Manager, at DSN 736-7891.

A12.1. GENERAL ORGANIZATIONAL MAINTENANCE TR: Applicable C-135 technical orders										
A12.1.1. Welcome Orientation								-	-	-
A12.1.2. Technical Order Familiarization								-	-	-
A12.1.3. Inspect/Use Ground Maintenance Stands								-	-	-
A12.1.4. Aircraft Familiarization/Egress								-	-	-
A12.1.5. Inspect and Operate Portable External Power Units								-	-	-
A12.1.6. Flightline Safety/Precautions/Security								-	-	-
A12.1.7. Aircraft Safe For Maintenance	*							-	-	-
A12.1.8. Dropped Object Program								-	-	-
A12.1.9. Foreign Object Damage Prevention								-	-	-
A12.1.10. Static Grounding								-	-	-
A12.1.11. Select/Use Safetying Devices	*							-	-	-
A12.1.12. Operate Hydraulics	*							-	-	-
A12.1.13. Change Desiccant								-	-	-
A12.1.14. Remove and install (R&I) Maintenance Panels								-	-	-
A12.1.15. Open/Close Engine Cowling								-	-	-

C-135 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A12.1.16. Operate Cargo Doors								-	-	-	-
A12.2. GENERAL MAINTENANCE TASKS TR: Applicable C-135 technical orders											
A12.2.1. Aircraft Tow Team Member											
A12.2.1.1. Tow Aircraft								-	-	-	-
A12.2.1.2. Wing/Tail Walking								-	-	-	-
A12.2.1.3. Brake Operator								-	-	-	-
A12.2.1.4. Marshall								-	-	-	-
A12.2.2. Refuel/Defuel											
A12.2.2.1. Refuel/Defuel Team Member								-	-	-	-
A12.2.2.2. Refuel Panel Operator								-	-	-	-
A12.2.2.3. Defuel Panel Operator								-	-	-	-
A12.2.2.4. Fireguard								-	-	-	-
A12.2.3. Jack Team Member								-	-	-	-
A12.2.4. Perform Aircraft Phase/Periodic/ISO								-	-	-	-
A12.2.5. Team Communications								-	-	-	-
A12.2.6. Applying Power Using:											
A12.2.6.1. APU								-	-	-	-
A12.2.6.2. Ground Power Unit	*							-	-	-	-
A12.2.7. Use Aircraft Interphone								-	-	-	-
A12.2.8. Launch/Recover Aircraft											
A12.2.8.1. Remove and install (R&I)											
A12.2.8.1.1. Applicable pins								-	-	-	-
A12.2.8.1.2. Applicable locks								-	-	-	-
A12.2.8.1.3. Chocks								-	-	-	-

C-135 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A12.2.8.4. Attach/Detach Ground Cable								-	-	-	-
A12.3. GENERAL FLIGHT CONTROLS											
A12.3.1. Flight Control Position Indicating System											
A12.3.1.1. Flap Position Indicating System TR: 2-8GA-1 /2-8JG-1 technical orders											
A12.3.1.1.1. Theory of Operation								-	-	-	-
A12.3.1.1.2. System Tie-in/Integration								-	-	-	-
A12.3.1.1.3. Perform inspection								-	-	-	-
A12.3.1.1.4. Perform operational check	*							-	-	-	-
A12.3.1.1.5. Remove and install (R&I) Flap Position Transmitter								-	-	-	-
A12.3.1.1.6. Adjust Flap Position Transmitter	*							-	-	-	-
A12.3.1.1.7. Troubleshoot								-	-	-	-
A12.3.2. Automatic Flight Control Systems											
A12.3.2.1. Flight Control Set TR: 2-11GA-3-1/2-11JG-3-1 Series technical orders											
A12.3.2.1.1. Theory of Operation								-	-	-	-
A12.3.2.1.2. System Tie-In/Integration								-	-	-	-
A12.3.2.1.3. Perform inspection								-	-	-	-
A12.3.2.1.4. Perform operational check								-	-	-	-
A12.3.2.1.5. Horizontal Position Sensor Slack test								-	-	-	-
A12.3.2.1.6. Adjust Limit Switches								-	-	-	-
A12.3.2.1.7. Remove and install (R&I)											
A12.3.2.1.7.1. Drum and Bracket Assembly								-	-	-	-
A12.3.2.1.7.2. Autopilot Servos								-	-	-	-
A12.3.2.1.7.3. Horizontal Position Sensor (HPS)								-	-	-	-

C-135 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A12.3.2.1.8. Troubleshoot								-	-	-	-
A12.3.3. Auto Throttle System TR: 1C-135-2-11-6											
A12.3.3.1. Theory Of Operation								-	-	-	-
A12.3.3.2. System Tie-In/Integration								-	-	-	-
A12.3.3.3. Perform inspection.								-	-	-	-
A12.3.3.4. Perform Operation Check								-	-	-	-
A12.3.3.5. Remove and install (R&I) Components								-	-	-	-
A12.3.3.6. Troubleshoot								-	-	-	-
A12.3.4. Stabilization Augmentation											
A12.3.4.1. Flight Control Augmentation/ Engine Fail Assist TR: 2-11GA-3-1/2-11JG-3-1											
A12.3.4.1.1. Theory of Operation								-	-	-	-
A12.3.4.1.2. System Tie-In/Interrogation								-	-	-	-
A12.3.4.1.3. Perform inspection								-	-	-	-
A12.3.4.1.4. Perform operational check	*							-	-	-	-
A12.3.4.1.5. Perform operational check using FCAS Breakout Box								-	-	-	-
A12.3.4.2. Troubleshoot	*							-	-	-	-
A12.4. GENERAL COMPUTER COMPLEX											
A12.4.1. Integrated Processing Center.											
A12.4.1.1. Theory of Operation								-	-	-	-
A12.4.1.2. System Tie-in/Integration								-	-	-	-
A12.4.1.3. Perform inspections								-	-	-	-
A12.4.1.4. Perform operational checks								-	-	-	-
A12.4.1.5. Troubleshoot								-	-	-	-

C-135 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A12.4.2. Flight Management System TR: 2-11GA-6/2-11JG-6 technical orders										
A12.4.2.1. Theory Of Operation								-	-	-
A12.4.2.2. System Tie-in/Integration								-	-	-
A12.4.2.3. Perform inspection								-	-	-
A12.4.2.4. Perform operational check	*							-	-	-
A12.4.2.5. Perform Software Loading								-	-	-
A12.4.2.6. Remove and install (R&I) Components	*							-	-	-
A12.4.2.7. Troubleshoot		*						-	-	-
A12.4.3. Flight Display System. FDS-255 TR: 2-11GA-4/11JG-4 technical orders										
A12.4.3.1. Theory of Operation								-	-	-
A12.4.3.2. System Tie-in/Integration								-	-	-
A12.4.3.3. Perform inspections								-	-	-
A12.4.3.4. Perform operational check	*							-	-	-
A12.4.3.5. Troubleshoot		*						-	-	-
A12.5. GENERAL NAVAGITIIONS SYSTEMS										
A12.5.1. FD-109 Flight Director/Rotation Go Around TR: 2-11GA-4-1/2-11JG-4-1										
A12.5.1.1. Theory of Operation.								-	-	-
A12.5.1.2. System Tie-in/Integration.								-	-	-
A12.5.1.3. Perform inspections								-	-	-
A12.5.1.4. Perform operational check								-	-	-
A12.5.1.5. Perform Fast operational check	*							-	-	-
A12.5.1.6. Calibrate AOA Transmitter								-	-	-
A12.5.1.7. Troubleshoot								-	-	-

C-135 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A12.5.2. Standby System										
A12.5.2.1. Theory of Operation.								-	-	-
A12.5.2.2. Perform inspection.								-	-	-
A12.5.2.3. Perform Compass Swing.								-	-	-
A12.5.2.4. Degauss Skull Plate								-	-	-
A12.5.2.5. Troubleshoot								-	-	-
A12.5.3. Carousel IV Inertial Navigation System TR: 2-11GA-5-1/2-11JG-5-1 technical orders										
A12.5.3.1. Theory of Operation								-	-	-
A12.5.3.2. System Tie-in/Integration								-	-	-
A12.5.3.3. Perform inspection								-	-	-
A12.5.3.4. Perform operational checks								-	-	-
A12.5.3.5. Program INU.								-	-	-
A12.5.3.6. Perform EMP Test								-	-	-
A12.5.3.7. Troubleshoot								-	-	-
A12.5.4. Embedded GPS/INS (EGI) TR: 2-11GA-5-1/2-11JG-5-1 technical orders										
A12.5.4.1. Theory Of Operation								-	-	-
A12.5.4.2. System Tie-in/Integration								-	-	-
A12.5.4.3. Perform inspection								-	-	-
A12.5.4.4. Perform operational check	*							-	-	-
A12.5.4.5. Load GPS Codes								-	-	-
A12.5.4.6. Troubleshoot								-	-	-
A12.5.5. Periscopic Sextant System TR: 2-9GA/2-9JG technical orders										
A12.5.5.1. Theory of Operation								-	-	-

C-135 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A12.5.5.2. Perform inspection								-	-	-	-
A12.5.5.3. Perform operational check								-	-	-	-
A12.5.5.4. Remove and install (R&I) Sexton Mount								-	-	-	-
A12.5.5.5. Troubleshoot								-	-	-	-
A12.5.6. N-1 Compass System TR: 2-11-1GA/2-11JG technical orders											
A12.5.6.1. Theory of Operation								-	-	-	-
A12.5.6.2. Perform inspection								-	-	-	-
A12.5.6.3. Perform operational check								-	-	-	-
A12.5.6.4. Remove and install (R&I) N-1 compass								-	-	-	-
A12.5.6.5. Troubleshoot								-	-	-	-
A12.5.7. J-4 Compass System TR: 2-11-1GA/2-11JG technical orders											
A12.5.7.1. Theory of Operation								-	-	-	-
A12.5.7.2. Perform inspection								-	-	-	-
A12.5.7.3. Perform operational check								-	-	-	-
A12.5.7.4. Remove and install (R&I) J-4 Compass								-	-	-	-
A12.5.7.5. Troubleshoot								-	-	-	-
A12.6. FLIGHT INSTRUMENTS											
A12.6.1. Pitot Static System TR: 2-9GA/2-9JG technical orders											
A12.6.1.1. Theory of Operation								-	-	-	-
A12.6.1.2. System Tie-in/Integration								-	-	-	-
A12.6.1.3. Perform inspections								-	-	-	-
A12.6.1.4. Perform Leak Check	*							-	-	-	-
A12.6.1.5. Troubleshoot		*						-	-	-	-

C-135 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A12.6.2. Digital Altimeter TR: 2-9GA / 2-9JG technical orders										
A12.6.2.1. Theory of Operation								-	-	-
A12.6.2.2. System Tie-in/Integration								-	-	-
A12.6.2.3. Perform inspection								-	-	-
A12.6.2.4. Perform operational check	*							-	-	-
A12.6.2.5. Remove and install (R&I) Digital Altimeter								-	-	-
A12.6.2.6. Troubleshoot		*						-	-	-
A12.6.3. Altimeter (AAU-19/A) TR: 2-9GA/2-9JG technical orders										
A12.6.3.1. Theory of Operation								-	-	-
A12.6.3.2. System Tie-in/Integration								-	-	-
A12.6.3.3. Perform inspection								-	-	-
A12.6.3.4. Perform operational checks								-	-	-
A12.6.3.5. Remove and install (R&I) Altimeter								-	-	-
A12.6.3.6. Adjust Altimeter								-	-	-
A12.6.3.7. Troubleshoot		*						-	-	-
A12.6.4. Vertical Speed Indicator TR: 2-9GA/2-9JG technical orders										
A12.6.4.1. Theory of Operation								-	-	-
A12.6.4.2. System Tie-in/Integration								-	-	-
A12.6.4.3. Perform inspection								-	-	-
A12.6.4.4. Perform operational checks	*							-	-	-
A12.6.4.5. Remove and install (R&I) VSI								-	-	-
A12.6.4.6. Troubleshoot		*						-	-	-
A12.6.5. Digital Airspeed Indicator TR: 2-9GA / 2-9JG technical orders										

C-135 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A12.6.5.1. Theory of Operation								-	-	-	-
A12.6.5.2. System Tie-in/Integration								-	-	-	-
A12.6.5.3. Perform inspections								-	-	-	-
A12.6.5.4. Perform operational checks	*							-	-	-	-
A12.6.5.5. Troubleshoot	*							-	-	-	-
A12.6.6. Mach Airspeed Indicator TR: 2-9GA / 2-9JG technical orders											
A12.6.6.1. Theory of Operation								-	-	-	-
A12.6.6.2. System Tie-in/Integration								-	-	-	-
A12.6.6.3. Perform inspections								-	-	-	-
A12.6.6.4. Perform operational checks	*							-	-	-	-
A12.6.6.5. Troubleshoot	*							-	-	-	-
A12.6.7. True Airspeed Indicator TR: 2-9GA/2-9JG technical orders											
A12.6.7.1. Theory of Operation								-	-	-	-
A12.6.7.2. System Tie-in/Integration								-	-	-	-
A12.6.7.3. Perform inspection								-	-	-	-
A12.6.7.4. Perform operational check								-	-	-	-
A12.6.7.5. Remove and install (R&I)											
A12.6.7.5.1. TAS Temperature Bulb								-	-	-	-
A12.6.7.5.2. Fuel Temperature Bulb								-	-	-	-
A12.6.7.6. Troubleshoot								-	-	-	-
A12.6.8. Free Air Temperature Indicating System TR: 2-9GA/2-9JG technical orders											
A12.6.8.1. Theory of Operation								-	-	-	-
A12.6.8.2. System Tie-in/Integration								-	-	-	-

C-135 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A12.6.8.3. Perform inspection								-	-	-	-
A12.6.8.4. Perform operational check								-	-	-	-
A12.6.8.5. Troubleshoot								-	-	-	-
A12.7. AIR DATA SYSTEM											
A12.7.1. Digital Air Data Computer System TR: 2-9GA/2-9JG technical orders											
A12.7.1.1. Theory of Operation								-	-	-	-
A12.7.1.2. System Tie-in/Integration								-	-	-	-
A12.7.1.3. Perform inspections								-	-	-	-
A12.7.1.4. Perform operational checks	*							-	-	-	-
A12.7.1.5. Troubleshoot	*							-	-	-	-
A12.8. DATA RECORDER											
A12.8.1. Flight Data Recorder/Cockpit Voice Recorder TR: 2-11GA-7/2-11JG-7 technical orders											
A12.8.1.1. Theory of Operation								-	-	-	-
A12.8.1.2. System Tie-in and Integration								-	-	-	-
A12.8.1.3. Perform inspection								-	-	-	-
A12.8.1.4. Perform operational check	*							-	-	-	-
A12.8.1.5. Perform Data Download								-	-	-	-
A12.8.1.6. Troubleshoot	*							-	-	-	-
A12.8.2. Turbine Engine Monitoring System TEMS TR: 2-11GA-7-1/2-11JG-7-1 technical orders											
A12.8.2.1. Theory of Operation								-	-	-	-
A12.8.2.2. System Tie-in/Integration								-	-	-	-
A12.8.2.3. Perform inspection								-	-	-	-
A12.8.2.4. Perform operational check								-	-	-	-

C-135 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A12.8.2.5. Perform Battery Voltage Check								-	-	-
A12.8.2.6. Troubleshoot								-	-	-
A12.9. WARNING SYSTEMS										
A12.9.1. N2 Stall Warning TR: 2-4GA-1/2-4JG-1 technical orders										
A12.9.1.1. Theory of Operation								-	-	-
A12.9.1.2. System Tie-in/Integration								-	-	-
A12.9.1.3. Perform inspections								-	-	-
A12.9.1.4. Perform operational check								-	-	-
A12.9.1.5.1. Remove and install (R&I) Warning Throttle Position Switch								-	-	-
A12.9.1.6. Adjust Stall Warning Throttle Position Switch								-	-	-
A12.9.1.7. Troubleshooting								-	-	-
A12.9.2. Ground Proximity Warning System TR: 2-11GA-4/2-11GA-4 technical orders										
A12.9.2.1. Theory of Operation.								-	-	-
A12.9.2.2. System Tie-in/Integration								-	-	-
A12.9.2.3. Perform inspections								-	-	-
A12.9.2.4. Perform operational checks	*							-	-	-
A12.9.2.5. Troubleshoot		*						-	-	-
A12.9.3. Altitude Alerter TR: 2-9GA/2-9JG technical orders										
A12.9.3.1. Theory of Operation								-	-	-
A12.9.3.2. System Tie-in/Integration								-	-	-
A12.9.3.3. Perform inspections								-	-	-
A12.9.3.4. Perform operational checks								-	-	-
A12.9.3.5. Troubleshoot								-	-	-

C-135 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A12.10. ENGINE INDICATING SYSTEMS										
A12.10.1. Exhaust Gas Temperature System TR: 2-4GA-1/2-4JG-1 technical orders										
A12.10.1.1. Theory of Operation								-	-	-
A12.10.1.2. System Tie-in/Integration								-	-	-
A12.10.1.3. Perform inspection								-	-	-
A12.10.1.4. Perform Operation Check	*							-	-	-
A12.10.1.5. Troubleshoot		*						-	-	-
A12.10.2. Engine Oil Temperature Indicating System TR: 2-4GA-1/2-4JG-1 technical orders										
A12.10.2.1. Theory of Operation								-	-	-
A12.10.2.2. System Tie-in/Integration								-	-	-
A12.10.2.3. Perform inspections								-	-	-
A12.10.2.4. Perform operational checks	*							-	-	-
A12.10.2.5. Troubleshoot		*						-	-	-
A12.10.3. Engine RPM Indicating Systems TR: 2-4GA-1 /2-4JG-1 technical orders										
A12.10.3.1. Theory of Operation								-	-	-
A12.10.3.2. System Tie-in/Integration								-	-	-
A12.10.3.3. Perform inspections								-	-	-
A12.10.3.4. Perform operational checks	*							-	-	-
A12.10.3.5. Troubleshoot		*						-	-	-
A12.10.4. Engine Oil Pressure Indicating System TR: 2-4GA-1/2-4JG-1 technical orders										
A12.10.4.1. Theory of Operation								-	-	-
A12.10.4.2. System Tie-in/Integration								-	-	-
A12.10.4.3. Perform inspections								-	-	-

C-135 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES										
A12.10.4.4. Perform operational check	*							-	-	-
A12.10.4.5. Troubleshoot		*						-	-	-
A12.10.5. Engine Pressure Ratio (EPR) TR: 2-4GA-1 /2-4JG-1 technical orders										
A12.10.5.1. Theory of Operation								-	-	-
A12.10.5.2. System Tie-in/Integration								-	-	-
A12.10.5.3. Perform inspections								-	-	-
A12.10.5.4. Perform operational checks	*							-	-	-
A12.10.5.5. Troubleshoot		*						-	-	-
A12.10.6. Fuel Flow Indicating System TR: 2-4GA-1 /2-4JG-1 technical orders										
A12.10.6.1. Theory of Operation								-	-	-
A12.10.6.2. System Tie-in/Integration								-	-	-
A12.10.6.3. Perform inspections								-	-	-
A12.10.6.4. Perform operational checks	*							-	-	-
A12.10.6.5. Troubleshoot		*						-	-	-
A12.10.7. Fuel Savings Advisory System (Simmons) TR: 2-11-6GA-1 /2-11-6JG technical orders										
A12.10.7.1. Theory of Operation								-	-	-
A12.10.7.2. System Tie-in/Integration								-	-	-
A12.10.7.3. Perform inspections								-	-	-
A12.10.7.4. Perform operational checks	*							-	-	-
A12.10.7.5. Troubleshoot		*						-	-	-
A12.11. LIQUID QUANTITY INDICATING SYSTEM										
A12.11.1. Fuel Quantity Indicating System TR: 2-11GA-6/2-11JG-6 technical orders										
A12.11.1.1. Theory of Operation								-	-	-

C-135 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A12.11.1.2. System Tie-in/Integration								-	-	-	-
A12.11.1.3. Perform inspections								-	-	-	-
A12.11.1.4. Perform operational checks	*							-	-	-	-
A12.11.1.5. Perform system capacitance/resistive checks	*							-	-	-	-
A12.11.1.6. Perform Tank Simulator Check.	*							-	-	-	-
A12.11.1.7. Load FMAC Software								-	-	-	-
A12.11.1.8. Remove and install (R&I) Components								-	-	-	-
A12.11.1.9. Calibrate Tank Interface Unit	*							-	-	-	-
A12.11.1.10. Troubleshoot		*						-	-	-	-
A12.11.2. Simmons Fuel Quantity Indicating System TR: 2-11-6GA/2-5-1GA/2-11JG-6 technical orders											
A12.11.2.1. Theory of Operation								-	-	-	-
A12.11.2.2. System Tie-in/Integration								-	-	-	-
A12.11.2.3. Perform inspections								-	-	-	-
A12.11.2.4. Perform operational checks	*							-	-	-	-
A12.11.2.5. Perform system capacitance/resistive checks	*							-	-	-	-
A12.11.2.6. Perform Tank Simulator Check.	*							-	-	-	-
A12.11.2.7. Load FMAC Software								-	-	-	-
A12.11.2.8. Remove and install (R&I) Components								-	-	-	-
A12.11.2.9. Calibrate Tank Interface Unit	*							-	-	-	-
A12.11.2.10. Troubleshoot		*						-	-	-	-
A12.12. HYDRAULIC INDICATING SYSTEMS											
A12.12.1. Hydraulic Fluid Quantity Indicating System TR: 2-13GA/2-13JG technical orders											

C-135 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES										
A12.12.1.1. Theory of Operation								-	-	-
A12.12.1.2. Perform inspections								-	-	-
A12.12.1.3. Perform operational checks								-	-	-
A12.12.1.4. Remove and install (R&I) Hydraulic Quantity Transmitter								-	-	-
A12.12.1.5. Troubleshoot								-	-	-
A12.12.2. Rudder Hydraulic Pressure Indicating System TR: 2-13GA/2-13JG technical orders										
A12.12.2.1. Theory of Operation								-	-	-
A12.12.2.2. Perform inspections								-	-	-
A12.12.2.3. Perform operational checks								-	-	-
A12.12.2.4. Troubleshoot								-	-	-
A12.13. MISCELLANEOUS SYSTEMS										
A12.13.1. Windshear-Speed Command of Attitude and Thrust TR: ETM-RC-135(S), ETM-TC-135(S)										
A12.13.1.1. Theory of Operation.								-	-	-
A12.13.1.2. System Tie-in/Integration.								-	-	-
A12.13.1.3. Perform inspection								-	-	-
A12.13.1.4. Perform operational check								-	-	-
A12.13.1.5. Remove and install (R&I) components								-	-	-
A12.13.1.6. Troubleshoot								-	-	-
A12.14. USE TEST EQUIPMENT										
A12.14.1. FCAS Breakout Box.								-	-	-
A12.14.2. AOA in Flight Calibration Test Set								-	-	-
A12.14.3. EMP test Set								-	-	-

C-135 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) (2) Crse CDC
A12.14.4. Pitot/Static Manifold Breakout Box	*							-	-	-
A12.14.5. Rudder PCU Tester								-	-	-

C-141 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC

ATTACHMENT 13 - C-141 Training Requirements

NOTE 1: The apprentice course will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.

NOTE 2: All course requirements are trained in the 3-level resident course during wartime. The 7-level in-residence course is not taught during wartime.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items marked in columns 2A or 2B marked with a */R are optional core tasks for ANG and AFRC.

NOTE 5: Items coded in column 4A will be trained using C-130 aircraft/systems. If C-130 aircraft/systems are unavailable, representative systems from other aircraft may be used.

NOTE 6: Address comments or recommended changes through the MAJCOM Functional Manager to the AETC Training Manager, at DSN 736-7891.

A13.1. AIRCRAFT FAMILIARIZATION TR: AFOSH 91-25, AFOSH 91-100, AFOSH 91-22, 1C-141B-2-99GS-00-1, 1C-141B-2-00GE-00-1, Local OIs.										
A13.1.1. Ensure Aircraft Safe for Maintenance	*							-	-	-
A13.1.2. Confined Spaces Familiarization								-	-	-
A13.1.3. Team Communications								-	-	-
A13.1.4. Select/Use Safety Devices								-	-	-
A13.1.5. Major Structural Areas								-	-	-
A13.1.6. Major Systems								-	-	-
A13.1.7. Enter/Exit Vertical Stabilizer								-	-	-
A13.1.8. Aircraft Egress Procedures								-	-	-
A13.1.9. Defensive System (DS)/Special Operation Forces Improvement (SOFI) System Interface								-	-	-
A13.2. GENERAL MAINTENANCE TASKS TR: AMCI 21-103, AMCI 21-101, technical orders 00-25-172, AFI 11-218, AFOSH 91-100, 1C-141B-2-00GE-00-1, 1C-141B-2-10JG-00-1, 1C-141B-2-12JG-10-2, 1C-141B-07JG-00-1										
A13.2.1. FOD/DOPP Program	*							-	-	-
A13.2.2. Static Grounding								-	-	-

C-141 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B									
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A13.2.3. Remove and install (R&I) Maintenance Panels								-	-	-	-
A13.2.4. Open/Close Engine Cowling								-	-	-	-
A13.2.5. Marshal Aircraft								-	-	-	-
A13.2.6. Launch Aircraft								-	-	-	-
A13.2.7. Recover Aircraft								-	-	-	-
A13.2.8. Jack Team Member								-	-	-	-
A13.2.9. Tow Aircraft TR: AFOSH 91-100, AFI 11-218, 1C-141B-2-00GE-00-1, 1C-141B-2-09JG-00-1, Local OIs											
A13.2.9.1. Tow Supervisor								-	-	-	-
A13.2.9.2. Tow Vehicle Operator								-	-	-	-
A13.2.9.3. Wing/Tail Walker								-	-	-	-
A13.2.9.4. Brake Operator								-	-	-	-
A13.2.9.5. Hand Pump Operator								-	-	-	-
A13.2.10. Refuel/Defuel TR: AFOSH 91-100, AFOSH 91-38, technical orders 00-25-172, 1C-141B-2 -12JG-10-1, 1C-141B-2-12JG-10-2, 1C-141B-2-00GE-00-1											
A13.2.10.1. Concurrent Servicing Supervisor								-	-	-	-
A13.2.10.2. Supervisor								-	-	-	-
A13.2.10.3. Panel Operator								-	-	-	-
A13.2.10.4. SPR								-	-	-	-
A13.2.11. Perform aircraft inspections TR: 1C-141B-6WC-1, 1C-141B-6WC-2, 1C-141B-6WC-4											
A13.2.11.1. Phase/Periodic/ISO								-	-	-	-
A13.2.11.2. Home Station Check (HSC)								-	-	-	-

C-141 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A13.2.11.3. Basic Preflight/Post-flight/Thru-flight								-	-	-
A13.2.12. Apply power using TR: AFOSH 48-19, 1C-141B-1, 1C-141B-2-05JG-00-1, 1C-141B-2-26JG-20-1, 1C-141B-2-12JG-10-1, 1C-141B-2-49JG-10-1-1, 1C-141B-2-12JG-10-2, 1C-141B-2-00GE-00-1, 1C-141B-2-49GS-00-1, 1C-141B-2-70JG-00-1										
A13.2.12.1. APU								-	-	-
A13.2.12.2. Generator set	*							-	-	-
A13.2.12.3. Pressurize/De-pressurize Hydraulics	*							-	-	-
A13.3. GENERAL FLIGHT CONTROLS								-	-	-
A13.3.1. Position Indicating Systems TR: 1C-141B-2-27GS-00-1, 1C-141B-2-27JG-60-2-2, 1C-141B-2-27JG-50-1-1, 1C-141B-2-27JG-40-1, 1C-141B-2-27JG-10-2, 1C-141B-2-27JG-20-2, 1C-141B-2-27FI-00-1-1, 1C-141B-27FI-00-1-2										
A13.3.1.1. Theory of Operation								-	-	-
A13.3.1.2. System Tie-in/Interface								-	-	-
A13.3.1.3. Perform Inspection								-	-	-
A13.3.1.4. Perform operational check										
A13.3.1.4.1. Flap Position								-	-	-
A13.3.1.4.2. Spoiler Position								-	-	-
A13.3.1.4.3. Horizontal Stabilizer								-	-	-
A13.3.1.4.4. Rudder Trim								-	-	-
A13.3.1.4.5. Aileron Trim								-	-	-
A13.3.1.5. Remove and install (R&I)										
A13.3.1.5.1. Flap Position Transmitter								-	-	-
A13.3.1.5.2. Horizontal Stabilizer Trim Transmitter								-	-	-

C-141 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A13.3.1.6. Adjust/Calibrate										
A13.3.1.6.1. Flap Position Transmitter								-	-	-
A13.3.1.6.2. Horizontal Stabilizer Trim Transmitter								-	-	-
A13.3.1.6.3. Spoiler Position Transmitter								-	-	-
A13.3.1.7. Troubleshoot										
A13.3.1.7.1. Flap Position								-	-	-
A13.3.1.7.2. Aileron Trim								-	-	-
A13.3.1.7.3. Rudder Trim								-	-	-
A13.3.1.7.4. Horizontal Stabilizer Trim								-	-	-
A13.3.1.7.5. Spoiler Position								-	-	-
A13.3.2. Automatic Flight Control Systems TR: 1C-141B-2-22GS-00-1, 1C-141B-2-22JG-00-1, 1C-141B-2-22JG-10-1, 1C-141B-2-22JG-20-1, 1C-141B-2-22JG-30-1, 1C-141B-2-22FI-00-1-1, 1C-141B-2-22FI-00-1-2, 1C-141B-2-22FI-00-2										
A13.3.2.1. C141B Autopilot System										
A13.3.2.1.1. Theory of Operation								-	-	-
A13.3.2.1.2. System Tie-in/Interface	*							-	-	-
A13.3.2.1.3. Perform inspection								-	-	-
A13.3.2.1.4. Perform operational check								-	-	-
A13.3.2.1.5. Remove and install (R&I)										
A13.3.2.1.5.1. HUB Force Sensor								-	-	-
A13.3.2.1.5.2. Control Wheel								-	-	-
A13.3.2.1.5.3. Aileron Position Transmitter								-	-	-
A13.3.2.1.6. Adjust/Calibrate										
A13.3.2.1.6.1. Aileron Position Transmitter								-	-	-

C-141 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A13.3.2.1.6.2. Hub Force Sensor								-	-	-
A13.3.2.1.7. Troubleshoot		*						-	-	-
A13.3.3. C-141B All Weather Landing System TR: 1C-141B-2-22GS-00-1, 1C-141B-2-00GE-00-1, 1C-141B-2-22JG-50-1, 1C-141B- 2-22FI-00-3										
A13.3.3.1. Theory of Operation								-	-	-
A13.3.3.2. System Tie-in/Interface								-	-	-
A13.3.3.3. Perform inspection								-	-	-
A13.3.3.4. Perform operational check	*							-	-	-
A13.3.3.5. Remove and install (R&I)										
A13.3.3.5.1. Two axis rate gyro								-	-	-
A13.3.3.5.2. Accelerometer								-	-	-
A13.3.3.6. Troubleshoot								-	-	-
A13.3.4. C-141C All Weather Flight Control System TR:1C-141C-22JG-10-2										
A13.3.4.1. Theory of Operation								-	-	-
A13.3.4.2. System Tie-in/Interface								-	-	-
A13.3.4.3. Perform inspection								-	-	-
A13.3.4.4. Perform operational check										
A13.3.4.4.1. AFCS Processor Section 3-2-2	*							-	-	-
A13.3.4.4.2. AFCP Interlock Section 3-2-3								-	-	-
A13.3.4.4.3. AHRS Interface Section 3-2-4								-	-	-
A13.3.4.4.4. Aileron (Hydraulics on) Interface Section 3-2-5								-	-	-
A13.3.4.4.5. Angle of Attack Left Sensor Section 3-2- 6								-	-	-

C-141 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B									
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A13.3.4.4.6. Angle of Attack Right Sensor Section 3-2-7								-	-	-	-
A13.3.4.4.7. Autothrottle Engine Off Section 3-2-8								-	-	-	-
A13.3.4.4.8. AWFCs Mode Repeater Section 3-2-9								-	-	-	-
A13.3.4.4.9. Control Wheel Switches Section 3-2-10								-	-	-	-
A13.3.4.4.10. Pilot/Copilot Control Wheel Force Sensor (CWFS) Section 3-2-11								-	-	-	-
A13.3.4.4.11. Elevator (Hydraulics on) Section 3-2-12								-	-	-	-
A13.3.4.4.12. Flight Control Panel (FCP) Section 3-2-13								-	-	-	-
A13.3.4.4.13. Flaps (Hydraulics on) Section 3-2-14								-	-	-	-
A13.3.4.4.14. Ground Collision Avoidance System (GCAS) Section 3-2-15								-	-	-	-
A13.3.4.4.15. ILS 1/2 Interface Section 3-2-16								-	-	-	-
A13.3.4.4.16. INS 1/2 System Section 3-2-17								-	-	-	-
A13.3.4.4.17. Longitudinal Accelerometer No. 1 Section 3-2-18								-	-	-	-
A13.3.4.4.18. Longitudinal Accelerometer No. 2 Section 3-2-19								-	-	-	-
A13.3.4.4.19. Pilot/Copilot Mode Select Panel (MSP) Section 3-2-21								-	-	-	-
A13.3.4.4.20. Push to Test (PTT) Inhibit Section 3-2-22								-	-	-	-
A13.3.4.4.21. Radar Altimeter (CARA) Section 3-2-23								-	-	-	-
A13.3.4.4.22. Yaw Damper Servo (Hydraulics on) Section 3-2-24								-	-	-	-
A13.3.4.4.23. Servos-Aileron, Elevator, Yaw Damper (Hydraulics off) Section 3-2-25								-	-	-	-

C-141 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A13.3.4.4.24. Stall Warning Section 3-2-26								-	-	-
A13.3.4.4.25. Restore to Normal Section 3-2-27								-	-	-
A13.3.4.4.26. Miscellaneous Aircraft Switches 1 Section 3-2-20										
A13.3.4.4.26.1. Aerial Refuel								-	-	-
A13.3.4.4.26.2. Spoiler Armed								-	-	-
A13.3.4.4.26.3. Yaw Damper								-	-	-
A13.3.4.5. Remove and install (R&I) TR: 1C-141C-2-22JG-10-3										
A13.3.4.5.1. Longitudinal Accelerometers Section 4-1								-	-	-
A13.3.4.5.2. Automatic Flight Control Processor Section 4-2								-	-	-
A13.3.4.5.3. Mode Select Panel Section 4-3								-	-	-
A13.3.4.5.4. Flight Control Panel Section 4-4								-	-	-
A13.3.4.5.5. Yaw Damper Control Panel Section 4-5								-	-	-
A13.3.4.5.6. Aileron Servo Actuator & Mount Section 4-6								-	-	-
A13.3.4.5.7. Aileron Position Transmitter Section 4-7								-	-	-
A13.3.4.5.8. Elevator Servo Actuator & Mount Section 4-8								-	-	-
A13.3.4.5.9. Yaw Damper Servo Actuator Section 4-9								-	-	-
A13.3.4.5.10. AWFCs Mode Repeater Section 4-10								-	-	-
A13.3.4.5.11. Auto-throttle Actuator Assembly Section 4-11								-	-	-
A13.3.4.5.12. Auto-throttle Clutch Pack Assembly Section 4-12								-	-	-
A13.3.4.5.13. Control Wheel Force Sensor Section 4- 13								-	-	-

C-141 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B									
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A13.3.4.6. Adjust TR: C-141C-2-22JG-10-3											
A13.3.4.6.1. Aileron Position Transmitter Section 5-1								-	-	-	-
A13.3.4.6.2. Elevator Position Transmitter Section 5-2								-	-	-	-
A13.3.4.6.3. Pilot's Control Wheel Force Sensor Section 5-3								-	-	-	-
A13.3.4.6.4. Copilot's Control Wheel Force Sensor Section 5-4								-	-	-	-
A13.3.4.7. Troubleshoot TR: 1C-141C-2-22FI-00-1								-	-	-	-
A13.3.5. Automatic Throttle System TR: 1C-141B-2-22GS-00-1, 1C-141B-2-22JG-30-1, 1C-141B-2-22FI-00-2											
A13.3.5.1. Theory of Operation								-	-	-	-
A13.3.5.2. System Tie-In/Interface								-	-	-	-
A13.3.5.3. Perform inspection								-	-	-	-
A13.3.5.4. Perform operational check								-	-	-	-
A13.3.5.5. Remove and install (R&I)											
A13.3.5.5.1. Motor Generator								-	-	-	-
A13.3.5.5.2. Gear Box Assembly								-	-	-	-
A13.3.5.5.3. Stepper Relay								-	-	-	-
A13.3.5.6. Troubleshoot								-	-	-	-
A13.3.6. Yaw Damper System TR: 1C-141B-2-22GS-00-1, 1C-141B-2-22JG-10-1, 1C-141B-2-22FI-00-1-1											
A13.3.6.1. Theory of Operation	*							-	-	-	-
A13.3.6.2. System Tie-In/Interface	*							-	-	-	-
A13.3.6.3. Perform inspection								-	-	-	-
A13.3.6.4. Perform operational check	*							-	-	-	-

C-141 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A13.3.6.5. Remove and install (R&I)										
A13.3.6.5.1. Yaw Rate Gyro	*							-	-	-
A13.3.6.5.2. Servo Actuator								-	-	-
A13.3.6.6. Troubleshoot		*						-	-	-
A13.4. GENERAL COMPUTER COMPLEX										
A13.4.1. Controls and Displays TR: 1C-141B-2-34GS-00-1, 1C-141B-2-34JG-40-1-2, 1C-141B-2-34JG-00-1, 1C-141B-2-00GE-00-1, 1C-141B-2-34JG-70-1, 1C-141B-2-34FI-00-1-4										
A13.4.1.1. C-141C Control and Display System TR: 1C-141C-2-34JG-80-1										
A13.4.1.1.1. Theory of Operation								-	-	-
A13.4.1.1.2. System Tie-In/Interface								-	-	-
A13.4.1.1.3. Perform inspection								-	-	-
A13.4.1.1.4. Perform operational check										
A13.4.1.1.4.1. Control Display System (CDS) Turn On and Initialization Section 1-1-1	*							-	-	-
A13.4.1.1.4.2. CDS Section 1-1-2	*							-	-	-
A13.4.1.1.4.3. Display Processor Unit (DPU) Section 1-1-3								-	-	-
A13.4.1.1.4.4. Display Unit (DU) Section 1-1-4								-	-	-
A13.4.1.1.4.5. Display Avionics Management Unit (DAMU) Section 1-1-5								-	-	-
A13.4.1.1.4.6. CDS BIT Section 1-1-6								-	-	-
A13.4.1.1.4.7. CDS Fault Log Clearing Procedures Section 1-1-7	*							-	-	-
A13.4.1.1.4.8. CDS Restore to Normal Section 1-1-8	*							-	-	-

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2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B									
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A13.4.1.1.4.9. Master Caution System Interface Section 1-2-2								-	-	-	-
A13.4.1.1.4.10. Attitude heading Reference System (AHRS) Interface Section 1-2-3								-	-	-	-
A13.4.1.1.4.11. Automatic Direction Finder (ADF) Interface Section 1-2-4								-	-	-	-
A13.4.1.1.4.12. SCADC Interface Section 1-2-5								-	-	-	-
A13.4.1.1.4.13. TACAN Interface Section 1-2-6								-	-	-	-
A13.4.1.1.4.14. Pilot's Reference Set Panel (RSP) Section 1-2-7								-	-	-	-
A13.4.1.1.4.15. Copilot's Reference Set Panel (RSP) Section 1-2-8								-	-	-	-
A13.4.1.1.4.16. Automatic Flight Control System (AFCS) Interface Section 1-2-9								-	-	-	-
A13.4.1.1.4.17. Radar Altimeter Interface Section 1-2-10								-	-	-	-
A13.4.1.1.4.18. VHF/NAV System Interface Section 1-2-11								-	-	-	-
A13.4.1.1.4.19. INS Interface Section 1-2-12								-	-	-	-
A13.4.1.1.4.20. FMS Interface Section 1-2-13								-	-	-	-
A13.4.1.1.4.21. Secondary Flight Display (SFD) Section 1-2-14								-	-	-	-
A13.4.1.1.4.22. SKE Interface Section 1-2-15								-	-	-	-
A13.4.1.1.4.23. Restore CDS to Normal Section 1-2-16								-	-	-	-
A13.4.1.1.4.24. CDS Cooling 1C-141C-2-34JG-80-1 Section 1-3-1								-	-	-	-
A13.4.1.1.5. Remove and install (R&I)											
A13.4.1.1.5.1. Display Processor Unit (DPU) Section 2-1								-	-	-	-

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2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B									
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A13.4.1.1.5.2. Reference Set Panel (RSP) Section 2-2								-	-	-	-
A13.4.1.1.5.3. Display Unit (DU) Section 2-3	*							-	-	-	-
A13.4.1.1.5.4. Display Avionics Maintenance Unit (DAMU) Section 2-4								-	-	-	-
A13.4.1.1.5.5. CDS Brightness Control (CBC) Section 2-5								-	-	-	-
A13.4.1.1.5.6. CDS Cooling Fan Section 2-6-2								-	-	-	-
A13.4.1.1.5.7. CDS Temperature Sensor Section 2-6-4								-	-	-	-
A13.4.1.1.5.8. CDS Air Flow Sensor Section 2-6-6								-	-	-	-
A13.4.1.1.6. Troubleshoot								-	-	-	-
A13.4.1.2. C-141C Flight Management System (FMS-800)/Global Positioning System (GPS) TR: 1C-141C-2-34JG-90-1											
A13.4.1.2.1. Theory of Operation								-	-	-	-
A13.4.1.2.2. System Tie-In/Interface								-	-	-	-
A13.4.1.2.3. Perform inspection								-	-	-	-
A13.4.1.2.4. Perform operational check											
A13.4.1.2.4.1. Turn-On/Initialization of CDS/FMS Section 1-1-1	*							-	-	-	-
A13.4.1.2.4.2. Navigation Processors Section 1-1-3	*							-	-	-	-
A13.4.1.2.4.3. Multifunction Control Display Unit (MFCDU) Section 1-1-4	*							-	-	-	-
A13.4.1.2.4.4. Date Receptacle Unit (DRU) Section 1-1-5								-	-	-	-
A13.4.1.2.4.5. Restore to Normal Section 1-1-6	*							-	-	-	-

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2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B									
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A13.4.1.2.4.6. Standard Central Air Data Computer (SCADC) Section 1-2-1								-	-	-	-
A13.4.1.2.4.7. Discrete System Section 1-2-2								-	-	-	-
A13.4.1.2.4.8. Environmental System Section 1-2-3								-	-	-	-
A13.4.1.2.4.9. Fuel Flow System Section 1-2-4								-	-	-	-
A13.4.1.2.4.10. Engine Pressure System Section 1-2-5								-	-	-	-
A13.4.1.2.4.11. VHF Com System Section 1-2-6								-	-	-	-
A13.4.1.2.4.12. VHF NAV System Section 1-2-7								-	-	-	-
A13.4.1.2.4.13. TACAN System Section 1-2-8								-	-	-	-
A13.4.1.2.4.14. Inertial Navigation System (INS) Section 1-2-10								-	-	-	-
A13.4.1.2.4.15. CDS and AFCS System Section 1-2-11								-	-	-	-
A13.4.1.2.4.16. FMS Grid Heading Section 1-2-12								-	-	-	-
A13.4.1.2.4.17. Weather Radar System Section 1-2-13								-	-	-	-
A13.4.1.2.4.18. SKE System Section 1-2-14								-	-	-	-
A13.4.1.2.5. Remove and install (R&I)											
A13.4.1.2.5.1. Navigation Processor and Lithium Battery Section 2-1								-	-	-	-
A13.4.1.2.5.2. Multifunction Control Display Unit (MFCDU) Section 2-2								-	-	-	-
A13.4.1.2.5.3. Data Receptacle Unit (DRU) Section 2-3								-	-	-	-
A13.4.1.2.5.4. Global Positioning System (GPS) Antenna Section 2-4								-	-	-	-

C-141 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A13.4.1.2.6. Load Data TR: 1C-141C-2-34JG-90-1										
A13.4.1.2.6.1. Processor Data Procedures Section 3-1								-	-	-
A13.4.1.2.6.2. Navigation Database Section 3-2								-	-	-
A13.4.1.2.6.3. GPS Key into FMS Section 3-2								-	-	-
A13.4.1.2.7. Troubleshoot								-	-	-
A13.4.1.3. Fuel Savings Advisory System										
A13.4.1.3.1. Theory of Operation								-	-	-
A13.4.1.3.2. System Tie-In/Interface								-	-	-
A13.4.1.3.3. Perform inspection								-	-	-
A13.4.1.3.4. Perform operational check								-	-	-
A13.4.1.3.5. Remove and install (R&I)								-	-	-
A13.4.1.3.6. Troubleshoot								-	-	-
A13.4.1.3.7. Bench/Minimum performance check								-	-	-
A13.5. GENERAL NAVIGATION SYSTEMS										
A13.5.1. Attitude Heading and Reference System TR: 1C-141B-2-34GS-00-1, 1C-141B-2-34JG-20-1, 1C-141B-2-00GE-00-1, 1C-141B-2-34FI-00-1-2										
A13.5.1.1. Theory of Operation								-	-	-
A13.5.1.2. System Tie-In/Interface								-	-	-
A13.5.1.3. Perform inspection								-	-	-
A13.5.1.4. Perform operational check	*							-	-	-
A13.5.1.5. Remove and install (R&I):										
A13.5.1.5.1. Magnetic Azimuth Detector								-	-	-
A13.5.1.5.2. Magnetic Compensator								-	-	-

C-141 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A13.5.1.6. Perform Compass Swing								-	-	-
A13.5.1.7. Perform Alternate Method Compass Swing using the INS								-	-	-
A13.5.1.8. Troubleshoot		*						-	-	-
A13.5.1.9. Perform bench/minimum performance check								-	-	-
A13.5.2. Flight Director System TR: 1C-141B-2-34GS-00-1, 1C-141B-2-34JG-20-1, 1C-141B-2-34JG-50-1, 1C-141B-2-34FI-00-1-2										
A13.5.2.1. Theory of Operation								-	-	-
A13.5.2.2. System Tie-In/Interface								-	-	-
A13.5.2.3. Perform inspection								-	-	-
A13.5.2.4. Perform operational check								-	-	-
A13.5.2.5. Remove and install (R&I) Rate of Turn Gyro								-	-	-
A13.5.2.6. Troubleshoot								-	-	-
A13.5.3. Attitude Director Indicating System TR: 1C-141B-2-34GS-00-1, 1C-141B-2-34JG-20-1, 1C-141B-2-34JG-50-1, 1C-141B-2-34FI-00-1-2										
A13.5.3.1. Theory of Operation								-	-	-
A13.5.3.2. System Tie-In/Interface								-	-	-
A13.5.3.3. Perform inspection								-	-	-
A13.5.3.4. Perform operational check	*							-	-	-
A13.5.3.5. Remove and install (R&I)										
A13.5.3.5.1. ADI	*							-	-	-
A13.5.3.5.2. SADI								-	-	-
A13.5.3.6. Troubleshoot								-	-	-

C-141 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A13.5.4. C-141C Multifunction Standby Instrument System TR: 1C-141B-2-34JG-10-1										
A13.5.4.1. Theory of Operation								-	-	-
A13.5.4.2. System Tie-In/Interface								-	-	-
A13.5.4.3. Perform inspection								-	-	-
A13.5.4.4. Perform operational check Section 10-1-2								-	-	-
A13.5.4.5. Remove and install (R&I)										
A13.5.4.5.1. Multi-Function Standby Indicator (MFSI) Section 11-1								-	-	-
A13.5.4.5.2. Standby Air Data Unit (SADU) Section 11-2								-	-	-
A13.5.4.6. Troubleshoot TR: 1C-141B-2-34FI-00-1-1								-	-	-
A13.5.5. Horizontal Situation Indicating System TR: 1C-141B-2-34GS-00-1, 1C-141B-2-34JG-20-1, 1C-141B-2-34JG-50-1, 1C-141B-2-34FI-00-1-2										
A13.5.5.1. Theory of Operation								-	-	-
A13.5.5.2. System Tie-in/Interface								-	-	-
A13.5.5.3. Perform inspection								-	-	-
A13.5.5.4. Perform operational check	*							-	-	-
A13.5.5.5. Remove and install (R&I) HSI								-	-	-
A13.5.5.6. Troubleshoot								-	-	-
A13.5.6. Bearing Distance Heading Indicating System TR: 1C-141B-2-34GS-00-1, 1C-141B-2-34JG-20-1										
A13.5.6.1. Theory of Operation								-	-	-
A13.5.6.2. System Tie-In/Interface								-	-	-
A13.5.6.3. Perform inspection								-	-	-

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2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES										
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A13.5.6.4. Perform operational check								-	-	-
A13.5.6.5. Remove and install (R&I) BDHI								-	-	-
A13.5.6.6. Troubleshoot								-	-	-
A13.5.7. Compass Systems TR: 1C-141B-2-34GS-00-1, 1C-141B-2-34JG-20-1, 1C-141B-2-00GE-00-1										
A13.5.7.1. Magnetic Compass (Whiskey)										
A13.5.7.2. Perform inspection								-	-	-
A13.5.7.3. Perform operational check								-	-	-
A13.5.7.4. Remove and install (R&I) Compass								-	-	-
A13.5.7.5. Troubleshoot								-	-	-
A13.5.8. Inertial Navigation System TR: 1C-141B-2-34GS-00-1, 1C-141B-2-34JG-00-1, 1C-141B-2-34JG-40-3, 1C-141C-2-34JG-40-4, 1C-141B-2-34JG-70-1, 1C-141B-2-00GE-00-1, 1C-141B-2-34FI-00-1-4										
A13.5.8.1. Theory of Operation								-	-	-
A13.5.8.2. System Tie-in/Interface								-	-	-
A13.5.8.3. Perform inspection								-	-	-
A13.5.8.4. Perform operational check										
A13.5.8.4.1. CADC Inputs - INS Interface	*							-	-	-
A13.5.8.4.2. Maintenance IBIT	*							-	-	-
A13.5.8.4.3. Magnetic Heading Interface	*							-	-	-
A13.5.8.4.4. Gimbal Slew Test	*							-	-	-
A13.5.8.5. Remove and install (R&I) Components								-	-	-
A13.5.8.6. Load Program								-	-	-
A13.5.8.7. Perform bench/minimum performance check								-	-	-

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2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A13.5.8.8. Troubleshoot								-	-	-
A13.6. FLIGHT INSTRUMENTS										
A13.6.1. Pitot Static System TR: 1C-141B-2-34JG-10-1, 1C-141B-2-34GS-00-1, 1C-141B-2-00GE-00-1, 1C-141B-2-34FI-00-1-1										
A13.6.1.1. Theory of Operation Section 1-1								-	-	-
A13.6.1.2. System Tie-in/Interface								-	-	-
A13.6.1.3. Perform inspection								-	-	-
A13.6.1.4. Perform operational check	*							-	-	-
A13.6.1.5. Remove and install (R&I)										
A13.6.1.5.1. Pitot Static Probe								-	-	-
A13.6.1.5.2. Pitot Static Lines/Hoses								-	-	-
A13.6.1.6. Troubleshoot								-	-	-
A13.6.2. Altitude-Vertical Velocity Indicator TR: 1C-141B-2-34GS-00-1, 1C-141B-2-34JG-10-1, 1C-141B-2-34FI-00-1-1, 1C-141B-2-00GE-00-1										
A13.6.2.1. Theory of Operation								-	-	-
A13.6.2.2. System Tie-in/Interface								-	-	-
A13.6.2.3. Perform inspection								-	-	-
A13.6.2.4. Perform operational check	*							-	-	-
A13.6.2.5. Remove and install (R&I)										
A13.6.2.5.1. Altitude-Vertical Velocity Indicator	*							-	-	-
A13.6.2.5.2. Altitude-Vertical Velocity Amplifier	*							-	-	-
A13.6.2.6. Adjust:										
A13.6.2.6.1. Altitude-Vertical Velocity Indicator								-	-	-

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2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A13.6.2.6.2. Altitude-Vertical Velocity Amplifier								-	-	-
A13.6.2.7. Troubleshoot								-	-	-
A13.6.3. Standby Pressure Altimeter TR: 1C-141B-2-00GE-00-1, 1C-141B-2-34GS-00-1, 1C-141B-2-34JG-10-1, 1C-141B-2-34FI-00-1-1										
A13.6.3.1. Theory of Operation								-	-	-
A13.6.3.2. Perform inspection								-	-	-
A13.6.3.3. Perform operational check								-	-	-
A13.6.3.4. Remove and install (R&I) Stand-by Altimeter								-	-	-
A13.6.3.5. Adjust/Calibrate								-	-	-
A13.6.3.5.1. Standby Altimeter								-	-	-
A13.6.3.6. Troubleshoot								-	-	-
A13.6.4. Airspeed-Mach Indicator TR: 1C-141B-2-34GS-00-1, 1C-141B-2-00GE-00-1, 1C-141B-2-34JG-10-1, 1C-141B-2-34FI-00-1-1										
A13.6.4.1. Theory of Operation								-	-	-
A13.6.4.2. System Tie-in/Interface								-	-	-
A13.6.4.3. Perform inspection								-	-	-
A13.6.4.4. Perform operational check	*							-	-	-
A13.6.4.5. Remove and install (R&I)										
A13.6.4.5.1. Airspeed Mach Indicator	*							-	-	-
A13.6.4.5.2. Airspeed Mach Indicator Amplifier								-	-	-
A13.6.4.6. Troubleshoot								-	-	-
A13.6.5. Standby Airspeed Indicator TR: 1C-141B-2-34GS-00-1, 1C-141B-2-34JG-10-1, 1C-141B-2-34FI-00-1-1, 1C-141B-00GE-00-1										

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2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A13.6.5.1. Theory of Operation								-	-	-
A13.6.5.2. Perform inspection								-	-	-
A13.6.5.3. Perform operational check								-	-	-
A13.6.5.4. Remove and install (R&I) Components								-	-	-
A13.6.5.5. Troubleshoot								-	-	-
A13.6.6. True Airspeed Indicator TR: 1C-141B-2-34GS-00-1, 1C-141B-2-34JG-10-1, 1C-141B-2-00GE-00-1, 1C-141B-2-34FI-00-1-1										
A13.6.6.1. Theory of Operation								-	-	-
A13.6.6.2. Perform inspection								-	-	-
A13.6.6.3. Perform operational check								-	-	-
A13.6.6.4. Remove and install (R&I) Components								-	-	-
A13.6.6.5. Troubleshoot								-	-	-
A13.6.7. Total Air Temperature System TR: 1C-141B-2-34GS-00-1, 1C-141B-2-34JG-10-1, 1C-141B-2-00GE-00-1, 1C-141B-2-34FI-00-1-1										
A13.6.7.1. Theory of Operation								-	-	-
A13.6.7.2. System Tie-in/Interface								-	-	-
A13.6.7.3. Perform inspection								-	-	-
A13.6.7.4. Perform operational check								-	-	-
A13.6.7.5. Remove and install (R&I) Temperature Probe								-	-	-
A13.6.7.6. Troubleshoot								-	-	-
A13.6.8. Standard Central Air Data Computer System TR: 1C-141B-2-34GS-00-1, 1C-141B-2-34JG-00-1, 1C-141B-00GE-00-1, 1C-141B-2-34FI-00-1-1										
A13.6.8.1. Theory of Operation								-	-	-

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2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A13.6.8.2. System Tie-in/Interface								-	-	-
A13.6.8.3. Perform inspection								-	-	-
A13.6.8.4. Perform operational check								-	-	-
A13.6.8.5. Remove and install (R&I) SCADC								-	-	-
A13.6.8.6. Troubleshoot								-	-	-
A13.6.8.7. Perform bench/minimum performance check								-	-	-
A13.7. FLIGHT DATA RECORDER TR: 1C-141B-2-31GS-00-1, 1C-141B-2-31JG-30-1, 1C-141B-2-00GE-00-1, 3D2-25-11-1, 5F23-3-17-1, 1C-141B-2-31FI-00-1										
A13.7.1. Perform operational check								-	-	-
A13.7.2. Remove and install (R&I)										
A13.7.2.1. Tri-Axial Accelerometer								-	-	-
A13.7.2.2. Rudder Trim Transmitter								-	-	-
A13.7.3. Adjust Rudder Trim Transmitter								-	-	-
A13.7.4. Perform Data Transfer/Tape Copy								-	-	-
A13.7.5. Troubleshoot								-	-	-
A13.8. WARNING SYSTEMS										
A13.8.1. Stall Prevention System TR: 1C-141B-2-27JG-30-2, 1C-141B-2-27GS-00-1, 1C-141B-2-27FI-00-1-1										
A13.8.1.1. Theory of Operation								-	-	-
A13.8.1.2. System Tie-in/Interface								-	-	-
A13.8.1.3. Perform inspection								-	-	-
A13.8.1.4. Perform operational check								-	-	-
A13.8.1.5. Remove and install (R&I)										
A13.8.1.5.1. AOA Vane								-	-	-

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	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) (2) Crse CDC
A13.8.1.5.2. Shaker Motor								-	-	-
A13.8.1.6. Index AOA Vane								-	-	-
A13.8.1.7. Troubleshoot								-	-	-
A13.8.2. C141B Ground Proximity Warning System TR: 1C-141B-2-34GS-00-1, 1C-141B-2-34JG-40-1, 1C-141B-2-34JG-40-2, 1C-141B-2-34FI-00-1-3										
A13.8.2.1. Theory of Operation								-	-	-
A13.8.2.2. System Tie-in/Interface								-	-	-
A13.8.2.3. Perform inspection								-	-	-
A13.8.2.4. Remove and install (R&I) Components								-	-	-
A13.9. ENGINE INDICATING SYSTEMS										
A13.9.1. Temperature Indicating Systems										
A13.9.1.1. Engine Oil Temperature Indicating System										
A13.9.1.1.1. Theory of Operation								-	-	-
A13.9.1.1.2. Perform inspection								-	-	-
A13.9.1.1.3. Perform operational check								-	-	-
A13.9.1.1.4. Remove and install (R&I) Temp Bulb								-	-	-
A13.9.1.1.5. Troubleshoot								-	-	-
A13.9.1.2. CSD Oil Temperature Indicating System										
A13.9.1.2.1. Theory of Operation								-	-	-
A13.9.1.2.2. Perform inspection								-	-	-
A13.9.1.2.3. Perform operational check								-	-	-
A13.9.1.2.4. Remove and install (R&I) Temp Bulb								-	-	-
A13.9.1.2.5. Troubleshoot								-	-	-
A13.9.1.3. Engine EGT Indicating System										

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2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A13.9.1.3.1. Theory of Operation								-	-	-
A13.9.1.3.2. Perform inspection								-	-	-
A13.9.1.3.3. Perform operational check								-	-	-
A13.9.1.3.4. Remove and install (R&I)										
A13.9.1.3.4.1. Long Harness								-	-	-
A13.9.1.3.4.2. Short Harness								-	-	-
A13.9.1.3.5. Troubleshoot								-	-	-
A13.9.1.4. APU EGT Indicating System										
A13.9.1.4.1. Theory of Operation								-	-	-
A13.9.1.4.2. Perform inspection								-	-	-
A13.9.1.4.3. Perform operational check								-	-	-
A13.9.1.4.4. Troubleshoot								-	-	-
A13.9.1.5. Engine RPM Indicating Systems										
A13.9.1.5.1. Theory of Operation								-	-	-
A13.9.1.5.2. Perform inspection								-	-	-
A13.9.1.5.3. Perform operational check	*							-	-	-
A13.9.1.5.4. Remove and install (R&I) TAT Generator								-	-	-
A13.9.1.5.5. Troubleshoot								-	-	-
A13.9.1.6. Engine Pressure Ratio Indicating System										
A13.9.1.6.1. Theory of Operation								-	-	-
A13.9.1.6.2. System Tie-in/Interface								-	-	-
A13.9.1.6.3. Perform inspection								-	-	-
A13.9.1.6.4. Perform operational check	*							-	-	-
A13.9.1.6.5. Remove and install (R&I)										

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2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A13.9.1.6.5.1. EPR transducer								-	-	-
A13.9.1.6.5.2. EPR probe (PT0)								-	-	-
A13.9.1.6.5.3. EPR probe (PT7)								-	-	-
A13.9.1.6.6. Troubleshoot								-	-	-
A13.9.1.7. Engine Oil Pressure Indicating System										
A13.9.1.7.1. Theory of Operation								-	-	-
A13.9.1.7.2. Perform inspection								-	-	-
A13.9.1.7.3. Perform operational check								-	-	-
A13.9.1.7.4.1. Remove and install (R&I) Oil Pressure Transmitter								-	-	-
A13.9.1.7.5. Adjust Oil Pressure Transmitter								-	-	-
A13.9.1.7.6. Troubleshoot								-	-	-
A13.9.1.8. Fuel Flow Indicating System										
A13.9.1.8.1. Theory of Operation								-	-	-
A13.9.1.8.2. System Tie-in/Interface								-	-	-
A13.9.1.8.3. Perform inspection								-	-	-
A13.9.1.8.4. Perform operational check								-	-	-
A13.9.1.8.5.										
A13.9.1.8.5. Remove and install (R&I) Fuel Flow Transmitter								-	-	-
A13.9.1.8.6. Troubleshoot								-	-	-
A13.9.1.9. Engine Data Converter										
A13.9.1.9.1. Theory of Operation								-	-	-
A13.9.1.9.2. System Tie-in/Interface								-	-	-
A13.9.1.9.3. Perform inspection								-	-	-
A13.9.1.9.4. Perform operational check								-	-	-

C-141 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A13.9.1.9.5. Remove and install (R&I)										
A13.9.1.9.5.1. Engine Data Converter	*							-	-	-
A13.9.1.9.5.2. Circuit Cards	*							-	-	-
A13.9.1.9.6. Troubleshoot								-	-	-
A13.9.1.9.7. Perform bench/minimum performance check								-	-	-
A13.9.1.10. Engine Vibration Indicating System										
A13.9.1.10.1. Theory of Operation								-	-	-
A13.9.1.10.2. Perform inspection								-	-	-
A13.9.1.10.3. Perform operational check								-	-	-
A13.9.1.10.4. Remove and install (R&I) Engine Vibration Pick-up								-	-	-
A13.9.1.10.5. Troubleshoot								-	-	-
A13.10. LIQUID QUANTITY INDICATIONS										
A13.10.1. Fuel Quantity Indication System TR: 1C-141B-2-28GS-00-1, 1C-141B-2-4-10, 1C-141B-2-28JG-40-1, 33D2-3-86-1, 33D2-3-119-1, 33D2-3-57-1, 1C-141B-2-28FI-00-1-3										
A13.10.1.1. Theory of Operation										
A13.10.1.1.1. DC								-	-	-
A13.10.1.1.2. AC								-	-	-
A13.10.1.2. Perform inspection								-	-	-
A13.10.1.3. Perform operational check	*							-	-	-
A13.10.1.4. Perform Calibration	*							-	-	-
A13.10.1.5. Remove and install (R&I) Fuel Probe								-	-	-
A13.10.1.6. Troubleshoot		*						-	-	-
A13.11. MISCELLANEOUS SYSTEMS										

C-141 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A13.11.1. Elevator Artificial Feel System TR: 1C-141B-2-27GS-00-1, 1C-141B-2-27JG-30-2, 1C-141B-2-00GE-00-1, 1C-141B-2-27FI-00-1-1										
A13.11.1.1. Theory of Operation								-	-	-
A13.11.1.2. Perform inspection								-	-	-
A13.11.1.3. Perform operational check								-	-	-
A13.11.1.4. Remove and install (R&I)										
A13.11.1.4.1. Pitch Trim Controller								-	-	-
A13.11.1.4.2. Remote Compensator								-	-	-
A13.11.1.4.3. Pigtail								-	-	-
A13.11.1.4.4. Relay Set								-	-	-
A13.11.1.4.5. Artificial feel actuator								-	-	-
A13.11.1.5. Troubleshoot								-	-	-
A13.11.2. Fuel Temperature Indicating System TR: 1C-141B-2-28GS-00-1, 1C-141B-2-00GE-00-1, 1C-141B-2-28FI-00-1-3										
A13.11.2.1. Theory of Operation								-	-	-
A13.11.2.2. Perform inspection								-	-	-
A13.11.2.3. Perform operational check								-	-	-
A13.11.2.4. Remove and install (R&I) Temperature Bulb								-	-	-
A13.11.2.5. Troubleshoot								-	-	-
A13.11.3. Pressure Indicating System TR: 1C-141B-2-29GS-00-1, 1C-141B-2-71GS-00-1, 1C-141B-2-28GS-00-1, 33A6-4-6-1, 1C-141B-2-29JG-10-1-2, 1C-141B-2-70JG-00-1, 1C-141B-2-28JG-20-1-2, 1C-141B-2-79JG-00-1, 1C-141B-2-80FI-00-1, 1C-141B-2-28FI-00-1-1, 1C-141B-2-29FI-00-1										
A13.11.3.1. Theory of Operation								-	-	-

C-141 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A13.11.3.2. Perform inspection								-	-	-
A13.11.3.3. Perform Operation Check										
A13.11.3.3.1. Fuel Pressure								-	-	-
A13.11.3.3.2. Hydraulic Pressure								-	-	-
A13.11.3.4. Remove and Install (R&I)										
A13.11.3.4.1. Fuel Pressure Transmitter								-	-	-
A13.11.3.4.2. Hydraulic Pressure Transmitter								-	-	-
A13.11.3.5. Adjust/Calibrate										
A13.11.3.5.1. Fuel Pressure Transmitter								-	-	-
A13.11.3.5.2. Hydraulic Pressure Transmitter								-	-	-
A13.11.3.6. Troubleshoot								-	-	-
A13.12. USE TEST EQUIPMENT TR: See Applicable Systems										
A13.12.1. Fuel Totalizer Test Set								-	-	-
A13.12.2. AWLS Inhibit Box								-	-	-
A13.12.3. Autopilot Breakout Box								-	-	-
A13.12.4. Fuel Quantity Wing Adapter Box								-	-	-
A13.12.5. Roscoe Box								-	-	-
A13.12.6. Elevator Artificial Feel Breakout Kit								-	-	-
A13.12.7. H261-1 Temperature Test Set								-	-	-
A13.12.8. Bench Top Reconfigureable Automated Test Set (BRAT)								-	-	-

E-3 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES										
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC

ATTACHMENT 14 - E-3 Training Requirements

NOTE 1: The apprentice course will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.

NOTE 2: All course requirements are trained in the 3-level resident course during wartime. The 7-level in-residence course is not taught during wartime.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items marked in columns 2A or 2B marked with a */R are optional core tasks for ANG and AFRC.

NOTE 5: Items coded in column 4A will be trained using E-3 aircraft/systems. If E-3 aircraft/systems are unavailable, representative systems from other aircraft may be used.

NOTE 6: Address comments or recommended changes through the MAJCOM Functional Manager to the AETC Training Manager, at DSN 736-7891.

A14.1. GENERAL ORGANIZATIONAL MAINTENANCE TR: 1E-3A-2-7, 1E-3A-2-1-1										
A14.1.1. Aircraft Familiarization										
A14.1.1.1. Major Structural Areas								-	-	-
A14.1.1.2. Major Aircraft Systems								-	-	-
A14.1.1.3. Aircraft Danger Areas								-	-	-
A14.1.1.4. Aircraft Egress Procedures								-	-	-
A14.1.2. Technical Order Familiarization								-	-	-
A14.1.3. Flightline Safety/Precautions/Security								-	-	-
A14.1.4. Dropped Object Prevention Program (DOPP)								-	-	-
A14.1.5. Foreign Object Damage (FOD)								-	-	-
A14.2. GENERAL MAINTENANCE TASKS TR: Applicable technical orders, 1E-3A-2, 1E-3A-2-1-1, 1E-3A-2-7, 1E-3A-2-7-5CL-1, 1E-3A-2-71-1, 1E-3A-6WC-1,										
A14.2.1. Ensure Aircraft Safe For Maintenance	*							-	-	-
A14.2.2. Statically Ground Aircraft								-	-	-
A14.2.3. Apply/Disconnect Electrical Power Using:										
A14.2.3.1. APU								-	-	-

E-3 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A14.2.3.2. Ground Power	*							-	-	-	-
A14.2.4. Operate Hydraulics								-	-	-	-
A14.2.5. Remove and install (R&I) aircraft Panels								-	-	-	-
A14.2.6. Open/Close Engine Cowlings								-	-	-	-
A14.2.7. Aircraft Towing											
A14.2.7.1. Wing/Tail Walker								-	-	-	-
A14.2.7.2. Brake Operator								-	-	-	-
A14.2.7.3. Tow Supervisor								-	-	-	-
A14.2.7.4. Tow Vehicle Operator								-	-	-	-
A14.2.8. Aircraft Refuel/Defuel											
A14.2.8.1. Refuel/Defuel Supervisor								-	-	-	-
A14.2.8.2. Panel Operator								-	-	-	-
A14.2.8.3. Fireguard								-	-	-	-
A14.2.8.4. Defuel Truck Position Member								-	-	-	-
A14.2.9. Aircraft Wash Team Member								-	-	-	-
A14.2.10. Launch/Recover Aircraft								-	-	-	-
A14.2.11. Marshall Aircraft								-	-	-	-
A14.2.12. Aircraft Jacking Team Member								-	-	-	-
A14.2.13. Aircraft De-icing Team Member								-	-	-	-
A14.2.14. Use Aircraft Interphone System								-	-	-	-
A14.2.15. Connect External Cooling Air								-	-	-	-
A14.3. GENERAL FLIGHT CONTROLS											
A14.3.1. Operate Aircraft Flight Controls TR: 1E-3A-2-27-1								-	-	-	-
A14.3.2. Flap Position Indication System TR: 1E-3A-2-31-1											

E-3 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A14.3.2.1. Theory of Operation								-	-	-	-
A14.3.2.2. Perform inspections								-	-	-	-
A14.3.2.3. Perform operational checks								-	-	-	-
A14.3.2.4. Troubleshoot								-	-	-	-
A14.3.2.5. Repair malfunctions								-	-	-	-
A14.3.3. Digital Autopilot TR: 1E-3A-2-22-1											
A14.3.3.1. Theory of Operation								-	-	-	-
A14.3.3.2. Perform inspections								-	-	-	-
A14.3.3.3. Perform operational checks	*							-	-	-	-
A14.3.3.4. Troubleshoot		*						-	-	-	-
A14.3.3.5. Repair malfunctions								-	-	-	-
A14.3.4. Series Yaw Damper TR: 1E-3A-2-22-1											
A14.3.4.1. Theory of Operation								-	-	-	-
A14.3.4.2. Perform inspections								-	-	-	-
A14.3.4.3. Perform operational checks	*							-	-	-	-
A14.3.4.4. Troubleshoot		*						-	-	-	-
A14.3.4.5. Repair malfunctions								-	-	-	-
A14.3.5. Parallel yaw damper TR: 1E-3A-2-22-1											
A14.3.5.1. Theory of Operation								-	-	-	-
A14.3.5.2. Perform inspections								-	-	-	-
A14.3.5.3. Perform operational checks								-	-	-	-
A14.3.5.4. Troubleshoot								-	-	-	-
A14.3.5.5. Repair malfunctions								-	-	-	-

E-3 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A14.3.6. Rudder differential pressure system TR:1E-3A-2-31-1											
A14.3.6.1. Theory of Operation								-	-	-	-
A14.3.6.2. Perform inspections								-	-	-	-
A14.3.6.3. Perform operational checks								-	-	-	-
A14.3.6.4. Troubleshoot								-	-	-	-
A14.3.6.5. Repair malfunctions								-	-	-	-
A14.4. GENERAL NAVIGATION SYSTEMS											
A14.4.1. Attitude/Heading Reference System TR: 1E-3A-2-31-1											
A14.4.1.1. Theory of Operation								-	-	-	-
A14.4.1.2. Perform inspections								-	-	-	-
A14.4.1.3. Perform operational checks	*							-	-	-	-
A14.4.1.4. Troubleshoot		*						-	-	-	-
A14.4.1.5. Repair malfunctions								-	-	-	-
A14.4.2. Flight director TR: 1E-3A-2-31-1											
A14.4.2.1. Operation								-	-	-	-
A14.4.2.2. Perform inspections	*							-	-	-	-
A14.4.2.3. Perform operational checks	*							-	-	-	-
A14.4.2.4. Troubleshoot		*						-	-	-	-
A14.4.2.5. Repair malfunctions								-	-	-	-
A14.4.3. Standby Compass System TR: 1E-3A-2-31-1											
A14.4.3.1. Theory of Operation								-	-	-	-
A14.4.3.2. Perform inspections								-	-	-	-
A14.4.3.3. Perform operational checks								-	-	-	-

E-3 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A14.4.3.4. Troubleshoot								-	-	-	-
A14.4.3.5. Repair malfunctions								-	-	-	-
A14.4.4. Global Positioning/Inertial Navigation System (GINS) TR: 1E-3A-2-34-4											
A14.4.4.1. Theory of Operation								-	-	-	-
A14.4.4.2. Perform inspections								-	-	-	-
A14.4.4.3. Perform operational checks								-	-	-	-
A14.4.4.4. Perform Mission Data Loads								-	-	-	-
A14.4.4.5. Load Lever Arm/Boresight Data								-	-	-	-
A14.4.4.6. Load/Zeroize Crypto Variables								-	-	-	-
A14.4.4.7. Operate Mission Planning Ground Station								-	-	-	-
A14.4.4.8. Troubleshoot								-	-	-	-
A14.4.4.9. Repair malfunctions								-	-	-	-
A14.5. FLIGHT INSTRUMENTS											
A14.5.1. Pitot/Static TR: 1E-3A-2-31-1											
A14.5.1.1. Theory of Operation								-	-	-	-
A14.5.1.2. Perform inspections	*							-	-	-	-
A14.5.1.3. Perform operational checks	*							-	-	-	-
A14.5.1.4. Troubleshoot		*						-	-	-	-
A14.5.1.5. Repair malfunctions								-	-	-	-
A14.5.2. Barometric/Encoding Altimeter TR: 1E-3A-2-31-1											
A14.5.2.1. Operation								-	-	-	-
A14.5.2.2. Perform inspections								-	-	-	-
A14.5.2.3. Perform operational checks								-	-	-	-

E-3 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A14.5.2.4. Troubleshoot								-	-	-	-
A14.5.2.5. Repair malfunctions								-	-	-	-
A14.5.3. Vertical Velocity Indicator TR: 1E-3A-2-31-1											
A14.5.3.1. Operation								-	-	-	-
A14.5.3.2. Perform inspections								-	-	-	-
A14.5.3.3. Perform operational checks								-	-	-	-
A14.5.3.4. Troubleshoot								-	-	-	-
A14.5.3.5. Repair malfunctions								-	-	-	-
A14.5.4. Airspeed TR: 1E-3A-2-31-1											
A14.5.4.1. Operation								-	-	-	-
A14.5.4.2. Perform inspections								-	-	-	-
A14.5.4.3. Perform operational checks								-	-	-	-
A14.5.4.4. Troubleshoot								-	-	-	-
A14.5.4.5. Repair malfunctions								-	-	-	-
A14.5.5. Accelerometer TR: 1E-3A-2-31-1											
A14.5.5.1. Operation								-	-	-	-
A14.5.5.2. Perform inspections								-	-	-	-
A14.5.5.3. Perform operational checks								-	-	-	-
A14.5.5.4. Troubleshoot								-	-	-	-
A14.5.5.5. Repair malfunctions								-	-	-	-
A14.5.6. Standby attitude indicator system TR: 1E-3A-2-31-1											
A14.5.6.1. Theory of Operation								-	-	-	-
A14.5.6.2. Perform inspections								-	-	-	-

E-3 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B									
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A14.5.6.3. Perform operational checks								-	-	-	-
A14.5.6.4. Troubleshoot								-	-	-	-
A14.5.6.5. Repair malfunctions								-	-	-	-
A14.6. AIR DATA SYSTEMS											
A14.6.1. Air data computer TR: 1E-3A-2-31-1											
A14.6.1.1. Theory of Operation								-	-	-	-
A14.6.1.2. Perform inspections								-	-	-	-
A14.6.1.3. Perform operational checks	*							-	-	-	-
A14.6.1.4. Troubleshoot	*							-	-	-	-
A14.6.1.5. Repair malfunctions								-	-	-	-
A14.7. DATA RECORDERS											
A14.7.1. Life History Recorder TR: 1E-3A-2-31-1											
A14.7.1.1. Theory of Operation								-	-	-	-
A14.7.1.2. Perform inspections								-	-	-	-
A14.7.1.3. Perform operational checks								-	-	-	-
A14.7.1.4. Troubleshoot								-	-	-	-
A14.7.1.5. Repair malfunctions								-	-	-	-
A14.7.2. Digital Flight Data Recorder TR: 1E-3A-2-23-2											
A14.7.2.1. Theory of Operation								-	-	-	-
A14.7.2.2. Perform inspections								-	-	-	-
A14.7.2.3. Perform operational checks								-	-	-	-
A14.7.2.4. Troubleshoot								-	-	-	-
A14.7.2.5. Repair malfunctions								-	-	-	-

E-3 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES										
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) (2) Crse CDC
A14.8. WARNING SYSTEMS										
A14.8.1. Fuel Low Level Warning System TR: 1E-3A-2-31-1										
A14.8.1.1. Theory of Operation								-	-	-
A14.8.1.2. Perform inspections								-	-	-
A14.8.1.3. Perform operational checks								-	-	-
A14.8.1.4. Troubleshoot								-	-	-
A14.8.1.5. Repair malfunctions								-	-	-
A14.8.2. Attitude Warning System TR: 1E-3A-2-31-1										
A14.8.2.1. Theory of Operation								-	-	-
A14.8.2.2. Perform inspections								-	-	-
A14.8.2.3. Perform operational checks	*							-	-	-
A14.8.2.4. Troubleshoot		*						-	-	-
A14.8.2.5. Repair malfunctions								-	-	-
A14.8.3. Mach Warning System TR: 1E-3A-2-31-1										
A14.8.3.1. Theory of Operation								-	-	-
A14.8.3.2. Perform inspections								-	-	-
A14.8.3.3. Perform operational checks								-	-	-
A14.8.3.4. Troubleshoot								-	-	-
A14.8.3.5. Repair malfunctions								-	-	-
A14.8.4. Angle Of Attack/Stall Warning TR: 1E-3A-2-31-1										
A14.8.4.1. Theory of Operation								-	-	-
A14.8.4.2. Perform inspections								-	-	-
A14.8.4.3. Perform operational checks	*							-	-	-

E-3 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A14.8.4.4. Troubleshoot	*							-	-	-
A14.8.4.5. Repair malfunctions								-	-	-
A14.9. ENGINE INSTRUMENTATION										
A14.9.1. Engine Exhaust Gas Temperature TR: 1E-3A-2-31-1										
A14.9.1.1. Theory of Operation								-	-	-
A14.9.1.2. Perform inspections								-	-	-
A14.9.1.3. Perform operational checks								-	-	-
A14.9.1.4. Troubleshoot								-	-	-
A14.9.1.5. Repair malfunctions								-	-	-
A14.9.2. APU exhaust gas temperature TR: 1E-3A-2-31-1										
A14.9.2.1. Theory of Operation								-	-	-
A14.9.2.2. Perform inspections								-	-	-
A14.9.2.3. Perform operational checks								-	-	-
A14.9.2.4. Troubleshoot								-	-	-
A14.9.2.5. Repair malfunctions								-	-	-
A14.9.3. Tachometer TR: 1E-3A-2-31-1										
A14.9.3.1. Theory of Operation								-	-	-
A14.9.3.2. Perform inspections								-	-	-
A14.9.3.3. Perform operational checks								-	-	-
A14.9.3.4. Troubleshoot								-	-	-
A14.9.3.5. Repair malfunctions								-	-	-
A14.9.4. Engine Pressure Ratio TR: 1E-3A-2-31-1										
A14.9.4.1. Theory of Operation								-	-	-

E-3 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A14.9.4.2. Perform inspections								-	-	-
A14.9.4.3. Perform operational checks	*							-	-	-
A14.9.4.4. Troubleshoot								-	-	-
A14.9.4.5. Repair malfunctions								-	-	-
A14.9.5. Engine Oil Pressure TR: 1E-3A-2-31-1										
A14.9.5.1. Theory of Operation								-	-	-
A14.9.5.2. Perform inspections								-	-	-
A14.9.5.3. Perform operational checks								-	-	-
A14.9.5.4. Troubleshoot								-	-	-
A14.9.5.5. Repair malfunctions								-	-	-
A14.9.6. APU Accumulator Pressure Indicating System TR: 1E-3A-2-31-1										
A14.9.6.1. Theory of Operation								-	-	-
A14.9.6.2. Perform inspections								-	-	-
A14.9.6.3. Perform operational checks								-	-	-
A14.9.6.4. Troubleshoot								-	-	-
A14.9.6.5. Repair malfunctions								-	-	-
A14.9.7. Fuel Flow TR: 1E-3A-2-31-1										
A14.9.7.1. Theory of Operation								-	-	-
A14.9.7.2. Perform inspections								-	-	-
A14.9.7.3. Perform operational checks								-	-	-
A14.9.7.4. Troubleshoot								-	-	-
A14.9.7.5. Repair malfunctions								-	-	-
A14.9.8. Engine Oil Temperature TR: 1E-3A-2-31-1										

E-3 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A14.9.8.1. Theory of Operation								-	-	-	-
A14.9.8.2. Perform inspections								-	-	-	-
A14.9.8.3. Perform operational checks								-	-	-	-
A14.9.8.4. Troubleshoot								-	-	-	-
A14.9.8.5. Repair malfunctions								-	-	-	-
A14.9.9. Engine Oil Quantity TR: 1E-3A-2-31-1											
A14.9.9.1. Theory of Operation								-	-	-	-
A14.9.9.2. Perform inspections								-	-	-	-
A14.9.9.3. Perform operational checks								-	-	-	-
A14.9.9.4. Troubleshoot								-	-	-	-
A14.9.9.5. Repair malfunctions								-	-	-	-
A14.10. LIQUID QUANTITY INDICATING SYSTEMS											
A14.10.1. Capacitance TR: 1E-3A-2-31-1											
A14.10.1.1. Theory of Operation								-	-	-	-
A14.10.1.2. Perform inspections	*							-	-	-	-
A14.10.1.3. Perform operational checks	*							-	-	-	-
A14.10.1.4. Troubleshoot		*						-	-	-	-
A14.10.1.5. Repair malfunctions								-	-	-	-
A14.11. HYDRAULIC INDICATING SYSTEMS											
A14.11.1. Hydraulic Quantity Indicating System TR: 1E-3A-2-31-1											
A14.11.1.1. Theory of Operation								-	-	-	-
A14.11.1.2. Perform inspections								-	-	-	-
A14.11.1.3. Perform operational checks								-	-	-	-

E-3 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B									
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A14.11.1.4. Troubleshoot								-	-	-	-
A14.11.1.5. Repair malfunctions								-	-	-	-
A14.11.2. Auxiliary/Utility Hydraulic Pressure Indicating System TR: 1E-3A-2-29-1											
A14.11.2.1. Theory of Operation								-	-	-	-
A14.11.2.2. Perform inspections								-	-	-	-
A14.11.2.3. Perform operational checks								-	-	-	-
A14.11.2.4. Troubleshoot								-	-	-	-
A14.11.2.5. Repair malfunctions								-	-	-	-
A14.12. MISCELLANEOUS SYSTEMS											
A14.12.1. Fuel Temperature Indicating System TR: 1E-3A-2-31-1											
A14.12.1.1. Theory of Operation								-	-	-	-
A14.12.1.2. Perform inspections								-	-	-	-
A14.12.1.3. Perform operational checks								-	-	-	-
A14.12.1.4. Troubleshoot								-	-	-	-
A14.12.1.5. Repair malfunctions								-	-	-	-
A14.13. OPERATE TEST EQUIPMENT											
A14.13.1. Rudder PCU Test Set 33D7-61-47-1								-	-	-	-

E-4 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC

ATTACHMENT 15: E-4 Training Requirements

NOTE 1: The apprentice course will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.

NOTE 2: All course requirements are trained in the 3-level resident course during wartime. The 7-level in-residence course is not taught during wartime.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items marked in columns 2A or 2B marked with a */R are optional core tasks for ANG and AFRC.

NOTE 5: Items coded in column 4A will be trained using E-4 aircraft/systems. If E-4 aircraft/systems are unavailable, representative systems from other aircraft may be used.

NOTE 6: Address comments or recommended changes through the MAJCOM Functional Manager to the AETC Training Manager, at DSN 736-7891.

A15.1. GENERAL ORGANIZATIONAL MAINTENANCE										
A15.1.1. Aircraft Familiarization								-	-	-
A15.1.2. Technical Order Familiarization								-	-	-
A15.1.3. Flight line Safety/Precautions/Security								-	-	-
A15.1.4. Introduction to Aircraft/Airframe Familiarization								-	-	-
A15.1.5. Inspection/Operation Portable External Electrical Power Unit								-	-	-
A15.1.6. Inspect/Use Ground Maintenance Stands								-	-	-
A15.1.7. Dropped Object Prevention Program (DOPP)								-	-	-
A15.1.8. Defensive Systems (DS) Familiarization (on applicable aircraft)								-	-	-
A15.2. GENERAL MAINTENANCE TASKS TR: 1E-4B-2-20										
A15.2.1. Ensure Aircraft Safe for Maintenance	*							-	-	-
A15.2.2. Statically Ground Aircraft								-	-	-
A15.2.3. Apply/Disconnect External Electrical Power Unit	*							-	-	-
A15.2.4. Perform Aircraft Wash								-	-	-
A15.2.5. Aircraft Jacking										

E-4 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) Crse (2) CDC
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials			
A15.2.5.1. Jacking Team Member								-	-	-
A15.2.6. Tow Aircraft										
A15.2.6.1. Perform Wing/Tail Walker Duties								-	-	-
A15.2.6.2. Brake Operator								-	-	-
A15.2.7. Aircraft Wiring TR: 1E-4B-2-110-20								-	-	-
A15.2.8. Aircraft Practice TR: 1E-4B-2-20								-	-	-
A15.2.9. Remove and install (R&I) Maintenance Panels								-	-	-
A15.2.10. Aircraft Egress								-	-	-
A15.2.11. Refuel/Defuel										
A15.2.11.1. Fuel Panel Operator								-	-	-
A15.2.11.2. Wing Operator								-	-	-
A15.2.11.3. Fire Guard								-	-	-
A15.2.12. Operate APU TR: 1E-4B-2-49								-	-	-
A15.2.13. Apply Bleed Air								-	-	-
A15.2.14. Apply Hydraulics								-	-	-
A15.3. GENERAL FLIGHT CONTROLS TR: 1E-4B-2-27										
A15.3.1. Manual Flight Controls										
A15.3.1.1. Rudder Ratio TR: 1E-4B-2-27-										
A15.3.1.1.1. Theory of Operation								-	-	-
A15.3.1.1.2. Perform inspections								-	-	-
A15.3.1.1.3. Perform operational test	*							-	-	-
A15.3.1.1.4. Perform system test		*						-	-	-
A15.3.1.1.5. Remove and install (R&I)								-	-	-

E-4 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) Crse	(2) CDC
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials				
A15.3.1.1.6. Troubleshoot	*							-	-	-	-
A15.3.1.1.7. Repair malfunctions								-	-	-	-
A15.3.1.2. Elevator Feel System TR: 1E-4B-2-27-											
A15.3.1.2.1. Theory of Operation								-	-	-	-
A15.3.1.2.2. Perform inspections								-	-	-	-
A15.3.1.2.3. Perform operational test	*							-	-	-	-
A15.3.1.2.4. Perform system test		*						-	-	-	-
A15.3.1.2.5. Remove and install (R&I)								-	-	-	-
A15.3.1.2.6. Troubleshoot	*							-	-	-	-
A15.3.1.2.7. Repair malfunctions								-	-	-	-
A15.3.2. Position Indicating System											
A15.3.2.1. Stab Trim Indication TR: 1E-4B-2-27-48											
A15.3.2.1.1. Theory of Operation								-	-	-	-
A15.3.2.1.2. Perform inspections								-	-	-	-
A15.3.2.1.3. Perform operational test								-	-	-	-
A15.3.2.1.4. Perform system test								-	-	-	-
A15.3.2.1.5. Adjustments/Calibrations								-	-	-	-
A15.3.2.1.6. Remove and install (R&I)								-	-	-	-
A15.3.2.1.7. Troubleshoot								-	-	-	-
A15.3.2.1.8. Repair malfunctions								-	-	-	-
A15.3.2.2. Rudder Position Indication TR: 1E-4B-2-27-28											
A15.3.2.2.1. Theory of Operation								-	-	-	-
A15.3.2.2.2. Perform inspections								-	-	-	-
A15.3.2.2.3. Perform operational test								-	-	-	-

E-4 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A15.3.2.2.4. Perform system test								-	-	-	-
A15.3.2.2.5. Adjustments/Calibrations								-	-	-	-
A15.3.2.2.6. Remove and install (R&I)								-	-	-	-
A15.3.2.2.7. Troubleshoot								-	-	-	-
A15.3.2.2.8. Repair malfunctions								-	-	-	-
A15.3.2.3. Elevator Position Indication TR: 1E-4B-2-27-38											
A15.3.2.3.1. Theory of Operation								-	-	-	-
A15.3.2.3.2. Perform inspections								-	-	-	-
A15.3.2.3.3. Perform operational test								-	-	-	-
A15.3.2.3.4. Perform system test								-	-	-	-
A15.3.2.3.5. Adjustments/Calibrations								-	-	-	-
A15.3.2.3.6. Remove and install (R&I)								-	-	-	-
A15.3.2.3.7. Troubleshoot								-	-	-	-
A15.3.2.3.8. Repair malfunctions								-	-	-	-
A15.3.2.4. Aileron Position Indication TR: 1E-4B-2-27-18											
A15.3.2.4.1. Theory of Operation								-	-	-	-
A15.3.2.4.2. Perform inspections								-	-	-	-
A15.3.2.4.3. Perform operational test								-	-	-	-
A15.3.2.4.4. Perform system test								-	-	-	-
A15.3.2.4.5. Adjustments/Calibrations								-	-	-	-
A15.3.2.4.6. Remove and install (R&I)								-	-	-	-
A15.3.2.4.7. Troubleshoot								-	-	-	-
A15.3.2.4.8. Repair malfunctions								-	-	-	-

E-4 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A15.3.2.5. Flap Position Indication TR: 1E-4B-2-27-58											
A15.3.2.5.1. Theory of Operation								-	-	-	-
A15.3.2.5.2. Perform inspections								-	-	-	-
A15.3.2.5.3. Perform operational test								-	-	-	-
A15.3.2.5.4. Perform system test								-	-	-	-
A15.3.2.5.5. Adjustments/Calibrations								-	-	-	-
A15.3.2.5.6. Remove and install (R&I)								-	-	-	-
A15.3.2.5.7. Troubleshoot								-	-	-	-
A15.3.2.5.8. Repair malfunctions								-	-	-	-
A15.3.2.6. Spoiler Position Indication TR: 1E-4B-2-27-68											
A15.3.2.6.1. Theory of Operation								-	-	-	-
A15.3.2.6.2. Perform inspections								-	-	-	-
A15.3.2.6.3. Perform operational test								-	-	-	-
A15.3.2.6.4. Perform system test								-	-	-	-
A15.3.2.6.5. Adjustments/Calibrations								-	-	-	-
A15.3.2.6.6. Remove and install (R&I)								-	-	-	-
A15.3.2.6.7. Troubleshoot								-	-	-	-
A15.3.2.6.8. Repair malfunctions								-	-	-	-
A15.3.3. Automatic Flight Controls											
A15.3.3.1. Autopilot System TR: 1E-4B-2-22											
A15.3.3.1.1. Theory of Operation								-	-	-	-
A15.3.3.1.2. Perform inspections								-	-	-	-
A15.3.3.1.3. Perform operational test								-	-	-	-
A15.3.3.1.4. Perform system test (Autoland)	*							-	-	-	-

E-4 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) Crse (2) CDC
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	-	-	-
A15.3.3.1.5. Remove and install (R&I)								-	-	-
A15.3.3.1.6. Troubleshoot	*							-	-	-
A15.3.3.1.7. Repair malfunctions								-	-	-
A15.3.3.2. Auto Stab Trim System TR: 1E-4B-2-22-										
A15.3.3.2.1. Theory of Operation								-	-	-
A15.3.3.2.2. Perform inspections								-	-	-
A15.3.3.2.3. Perform operational test								-	-	-
A15.3.3.2.4. Perform system test	*							-	-	-
A15.3.3.2.5. Remove and install (R&I)								-	-	-
A15.3.3.2.6. Troubleshoot	*							-	-	-
A15.3.3.2.7. Repair malfunctions								-	-	-
A15.3.3.3. Auto Throttle System TR: 1E-4B-2-22-31										
A15.3.3.3.1. Theory of Operation								-	-	-
A15.3.3.3.2. Perform inspections								-	-	-
A15.3.3.3.3. Perform operational test								-	-	-
A15.3.3.3.4. Perform system test								-	-	-
A15.3.3.3.5. Remove and install (R&I)										
A15.3.3.3.5.1. LRUs								-	-	-
A15.3.3.3.5.2. Auto Throttle Clutch Pack								-	-	-
A15.3.3.3.6. Troubleshoot								-	-	-
A15.3.3.3.7. Repair malfunctions								-	-	-
A15.3.4. Stabilization Augmentation										
A15.3.4.1. Yaw Damper System TR: 1E-4B-2-22										
A15.3.4.1.1. Theory of Operation								-	-	-

E-4 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) Crse (2) CDC
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	-	-	-
A15.3.4.1.2. Perform inspections								-	-	-
A15.3.4.1.3. Perform operational test	*							-	-	-
A15.3.4.1.4. Perform system test		*						-	-	-
A15.3.4.1.5. Remove and install (R&I)								-	-	-
A15.3.4.1.6. Troubleshoot		*						-	-	-
A15.3.4.1.7. Repair malfunctions								-	-	-
A15.4. GENERAL COMPUTER COMPLEX TR: 1E-4B-2-23,34										
A15.4.1. Controls and Displays										
A15.4.1.1. Electronic Flight Instrument System TR: 1E-4B-2-34-23										
A15.4.1.1.1. Theory of Operation								-	-	-
A15.4.1.1.2. Perform inspections								-	-	-
A15.4.1.1.3. Perform operational test								-	-	-
A15.4.1.1.4. Perform system test								-	-	-
A15.4.1.1.5. Remove and install (R&I)								-	-	-
A15.4.1.1.6. Troubleshoot								-	-	-
A15.4.1.1.7. Repair malfunctions								-	-	-
A15.4.2. Mission Computers/FMS										
A15.4.2.1. Flight Management System TR: 1E-4B-2-34-61										
A15.4.2.1.1. Theory of Operation								-	-	-
A15.4.2.2. Perform inspections								-	-	-
A15.4.2.3. Perform operational test								-	-	-
A15.4.2.4. Perform system test								-	-	-
A15.4.2.5. Remove and install (R&I)								-	-	-

E-4 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A15.4.2.6. Troubleshoot								-	-	-	-
A15.4.2.7. Repair malfunctions								-	-	-	-
A15.5. GENERAL NAVIGATION											
A15.5.1. Flight Director System TR: 1E-4B-2-22											
A15.5.1.1. Theory of Operation								-	-	-	-
A15.5.1.2. Perform inspections								-	-	-	-
A15.5.1.3. Perform operational test								-	-	-	-
A15.5.1.4. Perform system test								-	-	-	-
A15.5.1.5. Remove and install (R&I)								-	-	-	-
A15.5.1.6. Troubleshoot								-	-	-	-
A15.5.1.7. Repair malfunctions								-	-	-	-
A15.5.2. Magnetic Heading Reference System TR: 1E-4B-2-34-21											
A15.5.2.1. Theory of Operation								-	-	-	-
A15.5.2.2. Perform inspections								-	-	-	-
A15.5.2.3. Perform operational test								-	-	-	-
A15.5.2.4. Perform system test								-	-	-	-
A15.5.2.5. Remove and install (R&I)								-	-	-	-
A15.5.2.6. Adjust/Calibrate Compensator								-	-	-	-
A15.5.2.7. Troubleshoot								-	-	-	-
A15.5.2.8. Repair malfunctions								-	-	-	-
A15.5.3. Inertial Navigation System (INS) TR: 1E-4B-2-34-41											
A15.5.3.1. Theory of Operation								-	-	-	-
A15.5.3.2. Perform inspections								-	-	-	-
A15.5.3.3. Perform operational test								-	-	-	-

E-4 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A15.5.3.4. Perform system test								-	-	-
A15.5.3.5. Remove and install (R&I)								-	-	-
A15.5.3.6. Troubleshoot								-	-	-
A15.5.3.7. Repair malfunctions								-	-	-
A15.5.4. Global Positioning System (GPS) TR: 1E-4B-2-34-58										
A15.5.4.1. Theory of Operation								-	-	-
A15.5.4.2. Perform inspections								-	-	-
A15.5.4.3. Perform operational test								-	-	-
A15.5.4.4. Perform system test								-	-	-
A15.5.5. Sextant TR: 5N10-3-2-21, 1E-4B-2-34-										
A15.5.5.1. Theory of Operation								-	-	-
A15.5.5.2. Perform inspections								-	-	-
A15.5.5.3. Perform operational test								-	-	-
A15.5.5.4. Perform system test								-	-	-
A15.5.5.5 Remove and install (R&I)								-	-	-
A15.5.5.6. Troubleshoot								-	-	-
A15.5.5.7. Repair malfunctions								-	-	-
A15.6. FLIGHT INSTRUMENTS										
A15.6.1. Pitot-Static System TR: 1E-4B-2-34-11										
A15.6.1.1. Theory of Operation								-	-	-
A15.6.1.2. Perform inspections	*							-	-	-
A15.6.1.3. Perform operational test								-	-	-
A15.6.1.4. Perform system test	*							-	-	-

E-4 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) Crse (2) CDC
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials			
A15.6.1.5. Remove and install (R&I)								-	-	-
A15.6.1.6. Troubleshoot		*						-	-	-
A15.6.1.7. Repair malfunctions								-	-	-
A15.6.2. Altimeter (Barometric) TR: 1E-4B-2-34-										
A15.6.2.1. Theory of Operation								-	-	-
A15.6.2.2. Perform inspections								-	-	-
A15.6.2.3. Perform operational test								-	-	-
A15.6.2.4. Perform system test	*							-	-	-
A15.6.2.5. Remove and install (R&I)								-	-	-
A15.6.2.6. Troubleshoot								-	-	-
A15.6.2.7. Repair malfunctions								-	-	-
A15.6.3. Vertical Velocity TR: 1E-4B-2-34-										
A15.6.3.1. Theory of Operation								-	-	-
A15.6.3.2. Perform inspections								-	-	-
A15.6.3.3. Perform operational test								-	-	-
A15.6.3.4. Perform system test								-	-	-
A15.6.3.5. Remove and install (R&I)								-	-	-
A15.6.3.6. Troubleshoot								-	-	-
A15.6.3.7. Repair malfunctions								-	-	-
A15.6.4. Airspeed TR: 1E-4B-2-34										
A15.6.4.1. Theory of Operation								-	-	-
A15.6.4.2. Perform inspections								-	-	-
A15.6.4.3. Perform operational test								-	-	-

E-4 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) Crse (2) CDC
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials			
A15.6.4.4. Perform system test								-	-	-
A15.6.4.5. Remove and install (R&I)								-	-	-
A15.6.4.6. Troubleshoot								-	-	-
A15.6.4.7. Repair malfunctions								-	-	-
A15.6.5. True Airspeed TR: 1E-4B-2-34-										
A15.6.5.1. Theory of Operation								-	-	-
A15.6.5.2. Perform inspections								-	-	-
A15.6.5.3. Perform operational test								-	-	-
A15.6.5.4. Perform system test								-	-	-
A15.6.5.5. Remove and install (R&I)								-	-	-
A15.6.5.6. Troubleshoot								-	-	-
A15.6.5.7. Repair malfunctions								-	-	-
A15.6.6. Mach Airspeed TR: 1E-4B-2-34-										
A15.6.6.1. Theory of Operation								-	-	-
A15.6.6.2. Perform inspections								-	-	-
A15.6.6.3. Perform operational test								-	-	-
A15.6.6.4. Perform system test								-	-	-
A15.6.6.5. Remove and install (R&I)								-	-	-
A15.6.6.6. Troubleshoot								-	-	-
A15.6.6.7. Repair malfunctions								-	-	-
A15.6.7. Standby Indicators										
A15.6.7.1. Standby Attitude Reference System TR: 1E-4B-2-34-24										
A15.6.7.1.1. Theory of Operation								-	-	-

E-4 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) Crse (2) CDC
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials			
A15.6.7.1.2. Perform inspection								-	-	-
A15.6.7.1.3. Perform operational test								-	-	-
A15.6.7.1.4. Remove and install (R&I) LRU								-	-	-
A15.6.7.1.5. Troubleshoot								-	-	-
A15.6.7.1.6. Repair malfunctions								-	-	-
A15.6.7.2. Standby Magnetic Compass TR: 1E-4B-2-34-22										
A15.6.7.2.1. Theory of Operation								-	-	-
A15.6.7.2.2. Perform operational test								-	-	-
A15.6.7.2.3. Perform operational test								-	-	-
A15.6.7.2.4. Remove and install (R&I) LRU								-	-	-
A15.6.7.2.5. Troubleshoot								-	-	-
A15.6.7.2.6. Repair malfunctions								-	-	-
A15.6.8. Air Temperature										
A15.6.8.1. Total Air Temperature TR: 1E-4B-4-34										
A15.6.8.1.1. Theory of Operation								-	-	-
A15.6.8.1.2. Perform inspections								-	-	-
A15.6.8.1.3. Perform operational test								-	-	-
A15.6.8.1.4. Remove and install (R&I)								-	-	-
A15.6.8.1.5. Troubleshoot								-	-	-
A15.6.8.1.6. Repair malfunctions								-	-	-
A15.6.8.2. Static Air Temp TR: 1E-4B-2-34										
A15.6.8.2.1. Theory of Operation								-	-	-
A15.6.8.2.2. Perform inspections								-	-	-
A15.6.8.2.3. Perform operational test								-	-	-

E-4 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A15.6.8.2.4. Remove and install (R&I)								-	-	-	-
A15.6.8.2.5. Troubleshoot								-	-	-	-
A15.6.8.2.6. Repair malfunctions								-	-	-	-
A15.6.9. TAT/N-1 Limit System TR: 1E-4B-3-34-15											
A15.6.9.1. Theory of Operation								-	-	-	-
A15.6.9.2. Perform inspections								-	-	-	-
A15.6.9.3. Perform operational test								-	-	-	-
A15.6.9.4. Perform system test								-	-	-	-
A15.6.9.5. Remove and install (R&I)								-	-	-	-
A15.6.9.6. Troubleshoot								-	-	-	-
A15.6.9.7. Repair malfunctions								-	-	-	-
A15.6.10. Angle of Attack											
A15.6.10.1. Theory of Operation								-	-	-	-
A15.6.10.2. Perform inspections								-	-	-	-
A15.6.10.3. Perform operational test								-	-	-	-
A15.6.10.4. Perform system test								-	-	-	-
A15.6.10.5. Remove and install (R&I)								-	-	-	-
A15.6.10.6. Troubleshoot								-	-	-	-
A15.6.10.7. Repair malfunctions								-	-	-	-
A15.6.11. Stall Warning TR: 1E-4B-2-											
A15.6.11.1. Theory of Operation								-	-	-	-
A15.6.11.2. Perform inspections								-	-	-	-
A15.6.11.3. Perform operational test								-	-	-	-
A15.6.11.4. Perform system test								-	-	-	-

E-4 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) Crse (2) CDC
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials			
A15.6.11.5. Remove and install (R&I)								-	-	-
A15.6.11.6. Troubleshoot								-	-	-
A15.6.11.7. Repair malfunctions								-	-	-
A15.7. AIR DATA SYSTEMS TR: 1E-4B-2-34										
A15.7.1. Central Air Data Computer TR: 1E-4B-2-34-										
A15.7.1.1. Theory of Operation								-	-	-
A15.7.1.2. Perform inspections								-	-	-
A15.7.1.3. Perform operational test								-	-	-
A15.7.1.4. Perform system test	*							-	-	-
A15.7.1.5. Remove and install (R&I)								-	-	-
A15.7.1.6. Troubleshoot								-	-	-
A15.7.1.7. Repair malfunctions								-	-	-
A15.8. DATA RECORDERS TR: 1E-4B-2-31										
A15.8.1. Flight Data Recorder TR: 1E-4B-2-31-31										
A15.8.1.1. Theory of Operation								-	-	-
A15.8.1.2. Perform inspections								-	-	-
A15.8.1.3. Perform operational test								-	-	-
A15.8.1.4. Perform system test	*							-	-	-
A15.8.1.5. Remove and install (R&I)								-	-	-
A15.8.1.6. Troubleshoot								-	-	-
A15.8.1.7. Repair malfunctions								-	-	-
A15.9. WARNING SYSTEMS TR: 1E-4B-2-34,31										
A15.9.1. GPWS/TAWS TR: 1E-4B-2-34-58										

E-4 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) Crse	(2) CDC
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	-	-	-	-
A15.9.1.1. Theory of Operation								-	-	-	-
A15.9.1.2. Perform inspections								-	-	-	-
A15.9.1.3. Perform operational test								-	-	-	-
A15.9.1.4. Perform system test	*							-	-	-	-
A15.9.1.5. Remove and install (R&I)								-	-	-	-
A15.9.1.6. Troubleshoot								-	-	-	-
A15.9.1.7. Repair malfunctions								-	-	-	-
A15.9.2. Traffic Alert and Collision Avoidance System TR: 1E-4B-2-34-45											
A15.9.2.1. Theory of Operation								-	-	-	-
A15.9.2.2. Perform inspections								-	-	-	-
A15.9.2.3. Perform operational test								-	-	-	-
A15.9.2.4. Perform system test								-	-	-	-
A15.9.2.5. Remove and install (R&I)								-	-	-	-
A15.9.2.6. Troubleshoot								-	-	-	-
A15.9.2.7. Repair malfunctions								-	-	-	-
A15.9.3. Aural Warning System TR: 1E-4B-2-31											
A15.9.3.1. Theory of Operation								-	-	-	-
A15.9.3.2. Perform inspections								-	-	-	-
A15.9.3.3. Perform operational test								-	-	-	-
A15.9.3.4. Perform system test								-	-	-	-
A15.9.3.5. Remove and install (R&I)								-	-	-	-
A15.9.3.6. Troubleshoot								-	-	-	-
A15.9.3.7. Repair malfunctions								-	-	-	-

E-4 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A15.9.4. Mach Airspeed Warning System TR: 1E-4B-2-34-14										
A15.9.4.1. Theory of Operation								-	-	-
A15.9.4.2. Perform inspections								-	-	-
A15.9.4.3. Perform operational test								-	-	-
A15.9.4.4. Perform system test								-	-	-
A15.9.4.5. Remove and install (R&I)								-	-	-
A15.9.4.6. Troubleshoot								-	-	-
A15.9.4.7. Repair malfunctions								-	-	-
A15.9.5. Altitude Alert System TR: 1E-4B-2-34-16										
A15.9.5.1. Theory of Operation								-	-	-
A15.9.5.2. Perform inspections								-	-	-
A15.9.5.3. Perform operational test								-	-	-
A15.9.5.4. Perform system test								-	-	-
A15.9.5.5. Remove and install (R&I)								-	-	-
A15.9.5.6. Troubleshoot								-	-	-
A15.9.5.7. Repair malfunctions								-	-	-
A15.10. ENGINE INDICATING SYSTEMS										
A15.10.1. Engine EGT System TR: 1E-4B-2-77-21										
A15.10.1.1. Theory of Operation								-	-	-
A15.10.1.2. Perform inspections								-	-	-
A15.10.1.3. Perform operational test								-	-	-
A15.10.1.4. Perform system test								-	-	-
A15.10.1.5. Remove and install (R&I)								-	-	-

E-4 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A15.10.1.6. Troubleshoot								-	-	-	-
A15.10.1.7. Repair malfunctions								-	-	-	-
A15.10.2. APU EGT TR: 1E-4B-2-49-71											
A15.10.2.1. Theory of Operation								-	-	-	-
A15.10.2.2. Perform inspections								-	-	-	-
A15.10.2.3. Perform operational test								-	-	-	-
A15.10.2.4. Remove and install (R&I)								-	-	-	-
A15.10.2.5. Troubleshoot								-	-	-	-
A15.10.2.6. Repair malfunctions								-	-	-	-
A15.10.3. Oil Temperature System TR: 1E-4B-2-79-34											
A15.10.3.1. Theory of Operation								-	-	-	-
A15.10.3.2. Perform inspections								-	-	-	-
A15.10.3.3. Perform operational test								-	-	-	-
A15.10.3.4. Remove and install (R&I)								-	-	-	-
A15.10.3.5. Troubleshoot								-	-	-	-
A15.10.3.6. Repair malfunctions								-	-	-	-
A15.10.4. Fuel Temperature System TR: 1E-4B-2-73-32											
A15.10.4.1. Theory of Operation								-	-	-	-
A15.10.4.2. Perform inspections								-	-	-	-
A15.10.4.3. Perform operational test								-	-	-	-
A15.10.4.4. Remove and install (R&I)								-	-	-	-
A15.10.4.5. Troubleshoot								-	-	-	-
A15.10.4.6. Repair malfunctions								-	-	-	-

E-4 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A15.10.5. Fuel Over Temp System (LSC) TR: 1E-4B-2-21-57											
A15.10.5.1. Theory of Operation								-	-	-	-
A15.10.5.2. Perform inspections								-	-	-	-
A15.10.5.3. Perform operational test								-	-	-	-
A15.10.5.4. Perform system test	*							-	-	-	-
A15.10.5.5. Remove and install (R&I)								-	-	-	-
A15.10.5.6. Troubleshoot	*							-	-	-	-
A15.10.5.7. Repair malfunctions								-	-	-	-
A15.10.6. N 1 Indication TR: 1E-4B-2-77-12											
A15.10.6.1. Theory of Operation								-	-	-	-
A15.10.6.2. Perform inspections								-	-	-	-
A15.10.6.3. Perform operational test								-	-	-	-
A15.10.6.4. Perform system test								-	-	-	-
A15.10.6.5. Remove and install (R&I)								-	-	-	-
A15.10.6.7. Troubleshoot								-	-	-	-
A15.10.6.8. Repair malfunctions								-	-	-	-
A15.10.7. N 2 Indication TR: 1E-4B-2-77-12											
A15.10.7.1. Theory of Operation								-	-	-	-
A15.10.7.2. Perform inspections								-	-	-	-
A15.10.7.3. Perform operational test								-	-	-	-
A15.10.7.4. Perform system test								-	-	-	-
A15.10.7.5. Remove and install (R&I)								-	-	-	-
A15.10.7.6. Troubleshoot								-	-	-	-

E-4 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A15.10.7.7. Repair malfunctions								-	-	-
A15.10.8. APU Tachometer TR: 1E-4B-2-49-73										
A15.10.8.1. Theory of Operation								-	-	-
A15.10.8.2. Perform inspections								-	-	-
A15.10.8.3. Perform operational test								-	-	-
A15.10.8.4. Remove and install (R&I)								-	-	-
A15.10.8.5. Troubleshoot								-	-	-
A15.10.8.6. Repair malfunctions								-	-	-
A15.10.9. Pressure										
A15.10.9.1. Engine Oil Pressure System TR: 1E-4B-2-79-32										
A15.10.9.1.1 Theory of Operation								-	-	-
A15.10.9.1.2. Perform inspections								-	-	-
A15.10.9.1.3. Perform operational test								-	-	-
A15.10.9.1.4. Remove and install (R&I)								-	-	-
A15.10.9.1.5. Troubleshoot								-	-	-
A15.10.9.1.6. Repair malfunctions								-	-	-
A15.10.10. Fuel Flow/Fuel Used Indication TR: 1E-4B-2-73-31										
A15.10.10.1. Theory of Operation								-	-	-
A15.10.10.2. Perform inspections								-	-	-
A15.10.10.3. Perform operational test								-	-	-
A15.10.10.4. Remove and install (R&I)								-	-	-
A15.10.10.5. Troubleshoot								-	-	-
A15.10.10.6. Repair malfunctions								-	-	-

E-4 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A15.10.11. Airborne Vibration Monitor System TR: 1E-4B-2-77-31										
A15.10.11.1. Theory of Operation								-	-	-
A15.10.11.2. Perform inspections								-	-	-
A15.10.11.3. Perform operational test								-	-	-
A15.10.11.4. Remove and install (R&I)								-	-	-
A15.10.11.5. Troubleshoot								-	-	-
A15.10.11.6. Repair malfunctions								-	-	-
A15.11. LIQUID QUANTITY INDICATIONS										
A15.11.1. Hydraulic Fluid Quantity Indicating System TR: 1E-4B-2-29-33										
A15.11.1.1. Theory of Operation								-	-	-
A15.11.1.2. Perform inspections								-	-	-
A15.11.1.3. Perform operational test								-	-	-
A15.11.1.4. Perform system test								-	-	-
A15.11.1.5. Remove and install (R&I)								-	-	-
A15.11.1.6. Troubleshoot								-	-	-
A15.11.1.7. Repair malfunctions								-	-	-
A15.11.2. Volumetric Shut-off Control System TR: 1E-4B-2-28-21										
A15.11.2.1. Theory of Operation								-	-	-
A15.11.2.2. Perform inspections								-	-	-
A15.11.2.3. Perform operational test								-	-	-
A15.11.2.4. Perform system test	*							-	-	-
A15.11.2.5. Adjustments	*							-	-	-
A15.11.2.6. Remove and install (R&I)								-	-	-

E-4 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) Crse (2) CDC
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	-	-	-
A15.11.2.7. Troubleshoot								-	-	-
A15.11.2.8. Repair malfunctions								-	-	-
A15.11.3. Fuel Quantity System TR: 1E-4B-2-28-41										
A15.11.3.1. Theory of Operation								-	-	-
A15.11.3.2. Perform inspections								-	-	-
A15.11.3.3. Perform operational test								-	-	-
A15.11.3.4. Perform system test	*							-	-	-
A15.11.3.5. Adjustments	*							-	-	-
A15.11.3.6. Remove and install (R&I)								-	-	-
A15.11.3.7. Troubleshoot								-	-	-
A15.11.3.8. Repair malfunctions								-	-	-
A15.11.4. Engine Oil Quantity System TR: 1E-4B-2-79-31										
A15.11.4.1. Theory of Operation								-	-	-
A15.11.4.2. Perform inspections								-	-	-
A15.11.4.3. Perform operational test								-	-	-
A15.11.4.4. Remove and install (R&I)								-	-	-
A15.11.4.5. Troubleshoot								-	-	-
A15.11.4.6. Repair malfunctions								-	-	-
A15.11.5. APU Oil Quantity System TR: 1E-4B-2-79-31										
A15.11.5.1. Theory of Operation								-	-	-
A15.11.5.2. Perform inspections								-	-	-
A15.11.5.3. Perform operational test								-	-	-
A15.11.5.4. Remove and install (R&I)								-	-	-

E-4 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) Crse (2) CDC
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials			
A15.11.5.5. Troubleshoot								-	-	-
A15.11.5.6. Repair malfunctions								-	-	-
A15.11.6. Hydraulic Pressure Indicating System TR: 1E-4B-2-29-31										
A15.11.6.1. Theory of Operation								-	-	-
A15.11.6.2. Perform inspections								-	-	-
A15.11.6.3. Perform operational test								-	-	-
A15.11.6.4. Perform system test								-	-	-
A15.11.6.5. Remove and install (R&I)								-	-	-
A15.11.6.6. Troubleshoot								-	-	-
A15.11.6.7. Repair malfunctions								-	-	-
A15.12. MISCELLANEOUS										
A15.12.1. GMT Clocks TR: 1E-4B-2-31										
A15.12.1.1. Theory of Operation								-	-	-
A15.12.1.2. Perform inspections								-	-	-
A15.12.1.3. Perform operational test								-	-	-
A15.12.1.4. Remove and install (R&I)								-	-	-
A15.12.1.5. Troubleshoot								-	-	-
A15.12.1.6. Repair malfunctions								-	-	-
A15.12.2. Potable Water Indicating System TR: 1E-4B-2-38										
A15.12.2.1. Theory of Operation								-	-	-
A15.12.2.2. Perform inspections								-	-	-
A15.12.2.3. Perform operational test								-	-	-
A15.12.2.4. Remove and install (R&I)								-	-	-
A15.12.2.5. Troubleshoot								-	-	-

E-4 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) Crse (2) CDC
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	-	-	-
A15.12.2.6. Repair malfunctions										
A15.12.3. Nuclear Hardness Components TR: 1E-4B-2-44										
A15.12.3.1. Theory of Operation								-	-	-
A15.12.3.2. Perform inspections								-	-	-
A15.12.3.3. Perform operational test								-	-	-
A15.12.3.4. Remove and install (R&I)								-	-	-
A15.12.3.5. Troubleshoot								-	-	-
A15.12.3.6. Repair malfunctions								-	-	-

E-8 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC

ATTACHMENT 16: E-8 Training Requirements

NOTE 1: The apprentice course will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.

NOTE 2: All course requirements are trained in the 3-level resident course during wartime. The 7-level in-residence course is not taught during wartime.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items marked in columns 2A or 2B marked with a */R are optional core tasks for ANG and AFRC.

NOTE 5: Items coded in column 4A will be trained using E-8 aircraft/systems. If E-8 aircraft/systems are unavailable, representative systems from other aircraft may be used.

NOTE 6: Address comments or recommended changes through the MAJCOM Functional Manager to the AETC Training Manager, at DSN 736-7891.

A16.1. GENERAL ORGANIZATIONAL MAINTENANCE										
A16.1.1. Aircraft Familiarization TR: 1E-8C-1 and -2 Series , 1E-8C-12										
A16.1.1.1. Major Structural Areas								-	-	-
A16.1.1.2. Major Aircraft Systems								-	-	-
A16.1.1.3. Danger Areas								-	-	-
A16.1.1.4. Aircraft Egress								-	-	-
A16.1.1.5. Technical Order Familiarization								-	-	-
A16.1.1.6. Flightline Safety Precautions								-	-	-
A16.1.1.7. Dropped Object Prevention Program (DOPP)								-	-	-
A16.1.1.8. Foreign Object Prevention (FOD)								-	-	-
A16.1.1.9. Flightline Security Precautions								-	-	-
A16.2. GENERAL MAINTENANCE TASKS TR: 1E-8C-12 05 Series,/ 12 Series										
A16.2.1. Perform Aircraft Safe for Maintenance	*							-	-	-
A16.2.2. Apply External Power	*							-	-	-
A16.2.3. Apply Cooling Air	*							-	-	-
A16.2.4. Apply Hydraulic Power								-	-	-

E-8 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A16.2.5. Operate Auxiliary Power Unit (APU)								-	-	-
A16.2.6. Use ground intercommunications	*							-	-	-
A16.2.7. Remove and install (R&I) Aircraft Panels								-	-	-
A16.2.8. Open/Close Engine Cowling								-	-	-
A16.2.9. Service Engine Oil								-	-	-
A16.2.10. Service Hydraulic System								-	-	-
A16.2.11. Refuel/Defuel Aircraft										
A16.2.11.1. Fuel Team Fireguard								-	-	-
A16.2.11.2. Fuel Team Truck Position								-	-	-
A16.2.11.3. Fuel Team Panel Operator								-	-	-
A16.2.11.4. Fuel Team Supervisor								-	-	-
A16.2.12. Jack Team Member								-	-	-
A16.2.13. Wash Team Member								-	-	-
A16.2.14. Perform Phase/Isochronal Inspection								-	-	-
A16.2.15. Launch/Recover Aircraft										
A16.2.15.1. Remove and install (R&I)										
A16.2.15.1.1. Applicable pins								-	-	-
A16.2.15.1.2. Applicable locks								-	-	-
A16.2.15.1.3. Chocks								-	-	-
A16.2.15.1.4. Plugs and Covers								-	-	-
A16.2.15.2. Attach/Detach Ground cable								-	-	-
A16.2.15.3. Marshall Aircraft								-	-	-
A16.2.16. Tow Aircraft										
A16.2.16.1. Wing/Tail Walker								-	-	-

E-8 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A16.2.16.2. Brake Operator								-	-	-
A16.2.16.3. Tow Supervisor								-	-	-
A16.2.16.4. Tow Vehicle Operator								-	-	-
A16.2.17. De-icing Aircraft										
A16.2.17.1. Vehicle Operator								-	-	-
A16.2.17.2. Bucket Operator								-	-	-
A16.2.17.3. Ground Observer								-	-	-
A16.3. GENERAL FLIGHT CONTROLS										
A16.3.1. Manual Flight Control Systems										
A16.3.1.1. Flap Position Indicating TR: 1E-8C-2-12 27 Series										
A16.3.1.1.1. Theory of Operation								-	-	-
A16.3.1.1.2. Perform inspections								-	-	-
A16.3.1.1.3 Perform operational checks	*							-	-	-
A16.3.1.1.4. Perform Adjustments		*						-	-	-
A16.3.1.1.5. Troubleshoot		*						-	-	-
A16.3.1.1.6. Repair malfunctions	*							-	-	-
A16.3.1.2. Spoiler Position Indicating TR: 1E-8C-2-12 22 Series										
A16.3.1.2.1. Theory of Operation								-	-	-
A16.3.1.2.2. System Tie-in/Integration								-	-	-
A16.3.1.2.3. Perform inspections								-	-	-
A16.3.1.2.4. Perform operational checks								-	-	-
A16.3.1.2.5. Perform Adjustments								-	-	-
A16.3.1.2.6. Troubleshoot								-	-	-
A16.3.1.2.7. Repair malfunctions								-	-	-

E-8 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A16.3.2. Automatic Flight Control Systems										
A16.3.2.1. Autopilot System TR: 1E-8C-2-12 22 Series										
A16.3.2.1.1. Theory of Operation										
A16.3.2.1.1.1. Digital								-	-	-
A16.3.2.1.1.2. Analog								-	-	-
A16.3.2.1.2. System Tie-in/Integration								-	-	-
A16.3.2.1.3. Perform inspections								-	-	-
A16.3.2.1.4. Use Autopilot Breakout Box								-	-	-
A16.3.2.1.5. Perform operational checks	*							-	-	-
A16.3.2.1.6. Troubleshoot		*						-	-	-
A16.3.2.1.7. Repair Malfunction	*							-	-	-
A16.3.2.2. Mach Trim TR: 1E-8C-2-12 22 Series										
A16.3.2.2.1. Theory of Operation								-	-	-
A16.3.2.2.2. System Tie-in/Integration								-	-	-
A16.3.2.2.3. Perform inspections								-	-	-
A16.3.2.2.4. Perform operational checks	*							-	-	-
A16.3.2.2.5. Remove and install (R&I) Torque Modulation Switches		*						-	-	-
A16.3.2.2.6. Adjust Torque Modulation Switches		*						-	-	-
A16.3.2.2.7. Troubleshoot		*						-	-	-
A16.3.2.2.8. Repair malfunctions	*							-	-	-
A16.3.2.3. Yaw Damper System Series/Parallel TR: 1E-8C-2-27GS/JG										
A16.3.2.3.1. Theory of Operation								-	-	-
A16.3.2.3.2. System Tie-in/Integration								-	-	-

E-8 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A16.3.2.3.3. Perform inspections								-	-	-
A16.3.2.3.4. Perform operational checks	*							-	-	-
A16.3.2.3.5. Troubleshoot		*						-	-	-
A16.3.2.3.6. Repair malfunctions	*							-	-	-
A16.4. GENERAL COMPUTER COMPLEX										
A16.4.1. 1553 Data Bus TR: 1E-8C-2-12 34 Series										
A16.4.1.1. Theory of Operation								-	-	-
A16.4.1.2. Perform inspections								-	-	-
A16.4.1.3. Perform operational checks								-	-	-
A16.4.1.4. Troubleshoot								-	-	-
A16.4.1.5. Repair malfunctions								-	-	-
A16.4.2. Flight Management System (FMS-800) TR: 1E-8C-2-12 34 Series, 43 Series, 99 Series										
A16.4.2.1. Theory of Operation								-	-	-
A16.4.2.2. System Tie-in/Integration										
A16.4.2.2.1. Flight Management Bus								-	-	-
A16.4.2.2.2. Radar Sub-System Bus								-	-	-
A16.4.2.2.3. Voice Control Bus								-	-	-
A16.4.2.3. Perform inspections								-	-	-
A16.4.2.4. Declassify Navigation BSIU	*							-	-	-
A16.4.2.5. Declassify CDU	*							-	-	-
A16.4.2.6. Operate Data Loader								-	-	-
A16.4.2.7. Perform operational checks	*							-	-	-
A16.4.2.8. Troubleshoot	*							-	-	-

E-8 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A16.4.2.9. Repair malfunctions	*							-	-	-
A16.4.3. Operator Work Station (OWS) TR: 1E-8C-2-12 34 Series, 99 Series										
A16.4.3.1. Theory of Operation								-	-	-
A16.4.3.2. System Tie-in/Integration										
A16.4.3.3.1. Use OWS								-	-	-
A16.4.3.3.2. Initialize								-	-	-
A16.4.3.4. Use Navigation Performance Monitor								-	-	-
A16.4.3.5. Use Bus Performance Monitor								-	-	-
A16.5. GENERAL NAVIGATION SYSTEMS										
A16.5.1. Attitude Heading Reference TR: 1E-8C-2-12 34 Series										
A16.5.1.1. Theory of Operation (Pitch/Roll/Yaw)								-	-	-
A16.5.1.2. Perform inspections								-	-	-
A16.5.1.3. Perform Flux Valve Inspection								-	-	-
A16.5.1.4. System Tie-in/Integration								-	-	-
A16.5.1.5. Perform operational checks	*							-	-	-
A16.5.1.6. Troubleshoot	*							-	-	-
A16.5.1.7. Repair malfunctions	*							-	-	-
A16.5.2. Standby ADI/Navigator ADI TR: 1E-8C-2-12 34 Series										
A16.5.2.1. Theory of Operation								-	-	-
A16.5.2.2. Perform inspections								-	-	-
A16.5.2.3. Perform operational checks	*							-	-	-
A16.5.2.4. Troubleshoot	*							-	-	-
A16.5.2.5. Repair malfunctions	*							-	-	-

E-8 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A16.5.3. Standby Compass TR: 1E-8C-2-12 34 Series										
A16.5.3.1. Theory of Operation								-	-	-
A16.5.3.2. Perform inspections								-	-	-
A16.5.3.3. Perform operational checks								-	-	-
A16.5.3.4. Troubleshoot								-	-	-
A16.5.3.5. Repair malfunctions								-	-	-
A16.5.4. Flight Director TR: 1E-8C-2-12 34 Series										
A16.5.4.1. Theory of Operation								-	-	-
A16.5.4.2. Perform inspections								-	-	-
A16.5.4.3. System Tie-in/Integration								-	-	-
A16.5.4.4. Perform operational checks	*							-	-	-
A16.5.4.5. Troubleshoot		*						-	-	-
A16.5.4.6. Repair malfunctions	*							-	-	-
A16.5.5. Inertial Navigation System (INS) TR: 1E-8C-2-12 34 Series										
A16.5.5.1. Theory of Operation								-	-	-
A16.5.5.2. Perform inspections								-	-	-
A16.5.5.3. System Tie-in/Integration								-	-	-
A16.5.5.4. Perform operational checks								-	-	-
A16.5.5.5. Troubleshoot								-	-	-
A16.5.5.6. Repair malfunctions								-	-	-
A16.5.6. Global Positioning System (GPS) TR: 1E-8C-2-12 34 Series										
A16.5.6.1. Theory of Operation								-	-	-
A16.5.6.2. System Tie-in/Integration								-	-	-

E-8 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A16.5.6.3. Perform inspections								-	-	-
A16.5.6.4. Load/Zeroize Crypto								-	-	-
A16.5.6.5. Load Lever Arm								-	-	-
A16.5.6.6. Perform operational checks								-	-	-
A16.5.6.7. Troubleshoot								-	-	-
A16.5.6.8. Repair malfunctions								-	-	-
A16.6. FLIGHT INSTRUMENT SYSTEMS										
A16.6.1. Pitot Static System TR: 1E-8C-2-12 34 Series										
A16.6.1.1. Theory of Operation								-	-	-
A16.6.1.2. Perform inspections								-	-	-
A16.6.1.3. System Tie-in/Integration	*							-	-	-
A16.6.1.4. Perform operational checks	*							-	-	-
A16.6.1.5. Perform Leak checks	*							-	-	-
A16.6.1.6. Troubleshoot		*						-	-	-
A16.6.1.7. Repair malfunctions	*							-	-	-
A16.6.2. Barometric Altimeter TR: 1E-8C-2-12 34 Series										
A16.6.2.1. Theory of Operation								-	-	-
A16.6.2.2. Perform inspections								-	-	-
A16.6.2.3. Perform operational checks	*							-	-	-
A16.6.2.4. Troubleshoot		*						-	-	-
A16.6.2.5. Repair malfunctions	*							-	-	-
A16.6.3. Instantaneous Vertical Speed Indicator (IVSI) TR: 1E-8C-2-12 34 Series										
A16.6.3.1. Theory of Operation								-	-	-

E-8 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A16.6.3.2. Perform inspections								-	-	-
A16.6.3.3. Perform operational checks								-	-	-
A16.6.3.4. Troubleshoot								-	-	-
A16.6.3.5. Repair malfunctions								-	-	-
A16.6.4. Airspeed/Machmeter TR: 1E-8C-2-12 34 Series										
A16.6.4.1. Theory of Operation								-	-	-
A16.6.4.2. Perform inspections								-	-	-
A16.6.4.3. Perform operational checks	*							-	-	-
A16.6.4.4. Troubleshoot		*						-	-	-
A16.6.4.5. Repair malfunctions	*							-	-	-
A16.7. AIR DATA SYSTEMS										
A16.7.1. Central Air Data System TR: 1E-8C-2-12 34 Series										
A16.7.1.1. Theory of Operation								-	-	-
A16.7.1.2. System Tie-in/Integration								-	-	-
A16.7.1.3. Perform inspections								-	-	-
A16.7.1.4. Perform Bit checks								-	-	-
A16.7.1.5. Perform operational checks	*							-	-	-
A16.7.1.6. Troubleshoot		*						-	-	-
A16.7.1.7. Repair malfunctions	*							-	-	-
A16.8. WARNING SYSTEMS										
A16.8.1. Ground Proximity Warning System TR: 1E-8C-2-12 34 Series										
A16.8.1.1. Theory of Operation								-	-	-
A16.8.1.2. System Tie-in/Integration								-	-	-

E-8 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A16.8.1.3. Perform inspections								-	-	-
A16.8.1.4. Perform operational checks	*							-	-	-
A16.8.1.5. Troubleshoot		*						-	-	-
A16.8.1.6. Repair malfunctions	*							-	-	-
A16.8.2. Stall Warning System TR: 1E-8C-2-12 34 Series										
A16.8.2.1. Theory of Operation								-	-	-
A16.8.2.2. System Tie-in/Integration								-	-	-
A16.8.2.3. Perform inspections								-	-	-
A16.8.2.4. Perform operational checks	*							-	-	-
A16.8.2.5. Troubleshoot		*						-	-	-
A16.8.2.6. Repair malfunctions	*							-	-	-
A16.8.3. Mach Warning System TR: 1E-8C-2-12 31 Series										
A16.8.3.1. Theory of Operation								-	-	-
A16.8.3.2. System Tie-in/Integration								-	-	-
A16.8.3.3. Perform inspections								-	-	-
A16.8.3.4. Perform operational checks								-	-	-
A16.8.3.5. Troubleshoot								-	-	-
A16.8.3.6. Repair malfunctions								-	-	-
A16.9. RECORDING SYSTEMS										
A16.9.1. Digital Flight Data Recorder TR: 1E-8C-12 31 Series										
A16.9.1.1. Theory of Operation								-	-	-
A16.9.1.2. System Tie-in/Integration								-	-	-
A16.9.1.3. Perform inspections								-	-	-

E-8 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A16.9.1.4. Perform operational checks								-	-	-
A16.9.1.5. Troubleshoot								-	-	-
A16.9.1.6. Repair malfunctions								-	-	-
A16.10. ENGINE INDICATING SYSTEMS										
A16.10.1. Exhaust Gas Temperature (EGT) TR: 1E-8C-2-12 77 Series										
A16.10.1.1. Theory of Operation								-	-	-
A16.10.1.2. Perform inspections								-	-	-
A16.10.1.3. Perform operational checks	*							-	-	-
A16.10.1.4. Perform Indicator Adjustments	*							-	-	-
A16.10.1.5. Silver Solder Connectors (1-1A-14)								-	-	-
A16.10.1.6. Troubleshoot		*						-	-	-
A16.10.1.7. Repair malfunctions	*							-	-	-
A16.10.2. Tachometer N1/N2 TR: 1E-8C-2-12 77 Series										
A16.10.2.1. Theory of Operation								-	-	-
A16.10.2.2. Perform inspections								-	-	-
A16.10.2.3. Perform operational checks	*							-	-	-
A16.10.2.4. Troubleshoot		*						-	-	-
A16.10.2.5. Repair malfunctions	*							-	-	-
A16.10.3. Oil Pressure TR: 1E-8C-2-12 79 Series										
A16.10.3.1. Theory of Operation								-	-	-
A16.10.3.2. Perform inspections								-	-	-
A16.10.3.3. Perform operational checks	*							-	-	-
A16.10.3.4. Troubleshoot		*						-	-	-

E-8 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A16.10.3.5. Repair malfunctions	*							-	-	-
A16.10.4. Oil Temperature TR: 1E-8C-2-12 79 Series										
A16.10.4.1. Theory of Operation								-	-	-
A16.10.4.2. Perform inspections								-	-	-
A16.10.4.3. Perform operational checks	*							-	-	-
A16.10.4.4. Troubleshoot		*						-	-	-
A16.10.4.5. Repair malfunctions	*							-	-	-
A16.10.5. Engine Pressure Ratio TR: 1E-8C-2-12 77 Series										
A16.10.5.1. Theory of Operation								-	-	-
A16.10.5.2. Perform inspections								-	-	-
A16.10.5.3. Perform operational checks	*							-	-	-
A16.10.5.4. Troubleshoot		*						-	-	-
A16.10.5.5. Repair malfunctions	*							-	-	-
A16.10.6. Fuel Flow TR: 1E-8C-2-12 73 Series										
A16.10.6.1. Theory of Operation								-	-	-
A16.10.6.2. Perform inspections								-	-	-
A16.10.6.3. Perform operational checks	*							-	-	-
A16.10.6.4. Troubleshoot		*						-	-	-
A16.10.6.5. Repair malfunctions	*							-	-	-
A16.10.7. Auxiliary Power Unit EGT TR: 1E-8C-2-12 49 Series										
A16.10.7.1. Theory of Operation								-	-	-
A16.10.7.2. Perform inspections								-	-	-
A16.10.7.3. Perform operational checks								-	-	-

E-8 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B									
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A16.10.7.4. Troubleshoot								-	-	-	-
A16.10.7.5. Repair malfunctions								-	-	-	-
A16.10.8. Auxiliary Power Unit Tachometer TR: 1E-8C-2-12 49 Series											
A16.10.8.1. Theory of Operation								-	-	-	-
A16.10.8.2. Perform inspections								-	-	-	-
A16.10.8.3. Perform operational checks								-	-	-	-
A16.10.8.4. Troubleshoot								-	-	-	-
A16.10.8.5. Repair malfunctions								-	-	-	-
A16.11. LIQUID QUANTITY INDICATING SYSTEM											
A16.11.1. Capacitance Fuel Systems TR: 1E-8C-2-12 28 Series											
A16.11.1.1. Theory of Operation								-	-	-	-
A16.11.1.2. Perform inspections								-	-	-	-
A16.11.1.3. Perform operational checks	*							-	-	-	-
A16.11.1.4. Perform Adjustment/Calibration	*							-	-	-	-
A16.11.1.5. Troubleshoot		*						-	-	-	-
A16.11.1.6. Repair malfunctions	*							-	-	-	-
A16.11.2. Capacitance Oil Systems TR: 1E-8C-2-12 79 Series											
A16.11.2.1 Theory of Operation								-	-	-	-
A16.11.2.2 Perform inspections								-	-	-	-
A16.11.2.3. Perform operational checks								-	-	-	-
A16.11.2.4. Perform Adjustment/Calibration								-	-	-	-
A16.11.2.5. Troubleshoot								-	-	-	-
A16.11.2.6. Repair malfunctions								-	-	-	-

E-8 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A16.11.3. LOX Quantity Indicating TR: 1E-8C-2-12 35 Series										
A16.11.3.1. Theory of Operation								-	-	-
A16.11.3.2. Perform inspections								-	-	-
A16.11.3.3. Perform operational checks								-	-	-
A16.11.3.4. Perform Adjustment/Calibration								-	-	-
A16.11.3.5. Troubleshoot								-	-	-
A16.11.3.6. Repair malfunctions								-	-	-
A16.12. HYDRAULIC INDICATING SYSTEMS										
A16.12.1. Hydraulic Pressure TR: 1E-8C-2-12 29 Series										
A16.12.1.1. Theory of Operation										
A16.12.1.1.1. Rudder								-	-	-
A16.12.1.1.2. Brake								-	-	-
A16.12.1.1.3. Utility								-	-	-
A16.12.1.2. Perform inspections								-	-	-
A16.12.1.3. Perform operational checks								-	-	-
A16.12.1.4. Troubleshoot	*							-	-	-
A16.12.1.5. Repair malfunctions	*							-	-	-
A16.12.2. Hydraulic Quantity TR: 1E-8C-12 29 Series										
A16.12.2.1. Theory of Operation								-	-	-
A16.12.2.2. Perform inspections								-	-	-
A16.12.2.3. Perform operational checks								-	-	-
A16.12.2.4. Perform Adjustment/Calibration	*							-	-	-
A16.12.2.5. Troubleshoot		*						-	-	-

E-8 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A16.12.2.6. Repair malfunctions	*							-	-	-
A16.13. MISCELLANEOUS SYSTEMS										
A16.13.1. Annunciator Lighting TR: 1E-8C-12 33 Series, 34 Series, 99 Series										
A16.13.1.1. Theory of Operation										
A16.13.1.1.1. Pilot/Co-pilot 6-pack Navigator Annunciators								-	-	-
A16.13.1.1.2. Pilot/Co-pilot Attitude Annunciator								-	-	-
A16.13.1.1.3. MSN/Non-MSN/Split Annunciators								-	-	-
A16.13.1.1.4. ANIP Annunciators								-	-	-
A16.13.1.2. Perform operational checks	*							-	-	-
A16.13.1.3. Troubleshoot		*						-	-	-
A16.13.1.4. Repair malfunctions	*							-	-	-
A16.13.2. Fuel Temperature TR: 1E-8C-2-12, -73 Series										
A16.13.2.1. Theory of Operation								-	-	-
A16.13.2.1.1. Engine Fuel Temperature								-	-	-
A16.13.2.1.2. Tank Fuel Temperature								-	-	-
A16.13.2.2. Perform inspections								-	-	-
A16.13.2.3. Perform operational checks								-	-	-
A16.13.2.4. Troubleshoot								-	-	-
A16.13.2.5. Repair malfunctions								-	-	-
A16.14. SUPPORT EQUIPMENT/ITEMS										
A16.14.1. JSTARS Integrated Maintenance Information System (JIMIS) TR: 1E-8C-12										
A16.14.1.1. Methods and Procedures								-	-	-

E-8 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A 5	B 7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A16.14.1.2. Technical Manuals								-	-	-
A16.14.1.3. Abbreviated technical orders								-	-	-
A16.14.1.4. Wiring Diagrams								-	-	-
A16.14.1.5. Illustrated Parts Breakdown (IPB)								-	-	-
A16.14.1.6. Perform Validations of E-8C Tech Data								-	-	-
A16.14.1.7. Perform Verifications of E-8C Tech Data								-	-	-

HH-60/UH-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
	5	7								

ATTACHMENT 17: HH-60/UH-1 Training Requirements

NOTE 1: The apprentice course will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.

NOTE 2: All course requirements are trained in the 3-level resident course during wartime. The 7-level in-residence course is not taught during wartime.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items marked in columns 2A or 2B marked with a */R are optional core tasks for ANG and AFRC.

NOTE 5: Items coded in column 4A will be trained using HH-60 or UH-1 aircraft/systems. If HH-60 or UH-1 aircraft/systems are unavailable, representative systems from other aircraft may be used.

NOTE 6: Address comments or recommended changes through the MAJCOM Functional Manager to the AETC Training Manager, at DSN 736-7891.

A17.1. HH-60										
A17.1.1. GENERAL ORGANIZATIONAL MAINTENANCE TR: 1H-60(H)G technical orders										
A17.1.1.1. Aircraft/Airframe Familiarization								-	-	-
A17.1.1.2. Major Structural Areas								-	-	-
A17.1.1.3. Major aircraft systems								-	-	-
A17.1.1.4. Defensive Systems (DS) Familiarization (on applicable aircraft)								-	-	-
A17.1.1.5. Aircraft Egress Procedures								-	-	-
A17.1.1.6. Technical Order Familiarization								-	-	-
A17.1.1.7. Flightline Safety/Precautions/Security								-	-	-
A17.1.1.8. Dropped Object Prevention Program (DOPP)								-	-	-
A17.1.2. GENERAL MAINTENANCE TASKS TR: 00-20 series and 1H-60(H)G technical orders										
A17.1.2.1. Ensure aircraft is safe for maintenance	*							-	-	-
A17.1.2.2. Statically Ground Aircraft								-	-	-
A17.1.2.3. Apply/Disconnect External Power	*							-	-	-
A17.1.2.4. Operate APU								-	-	-

HH-60/UH-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A17.1.2.5. Inspect/Use Ground Maintenance Stands								-	-	-
A17.1.2.6. Perform Aircraft Wash								-	-	-
A17.1.2.7. Open and Close Engine Cowling								-	-	-
A17.1.2.8. Remove and install (R&I) aircraft maintenance access panels								-	-	-
A17.1.2.9. Use Aircraft Interphone System								-	-	-
A17.1.2.10. Perform Aircraft Marshaling Procedures								-	-	-
A17.1.2.11. Launch/Recover Aircraft								-	-	-
A17.1.2.11. Aircraft Jacking										
A17.1.2.11.1. Jack Team Member								-	-	-
A17.1.2.11.2. Jack Team Supervisor								-	-	-
A17.1.2.12. Refuel/Defuel Aircraft										
A17.1.2.12.1. Refuel/Defuel Team Member								-	-	-
A17.1.2.12.2. Refuel/Defuel Supervisor								-	-	-
A17.1.2.13. Tow Aircraft										
A17.1.2.13.1. Perform Wing/Tail Walker Duties								-	-	-
A17.1.2.13.2. Brake Operator								-	-	-
A17.1.2.13.3. Tow Vehicle Operator								-	-	-
A17.1.2.13.4. Tow Supervisor								-	-	-
A17.1.2.14. Fold/Unfold Helicopter										
A17.1.2.14.1. Aircraft Tear Down								-	-	-
A17.1.2.14.2. Aircraft Build Up								-	-	-
A17.1.2.15. Perform Aircraft Inspections										
A17.1.2.15.1. Special Inspection								-	-	-
A17.1.2.15.2. Periodic Inspection								-	-	-

HH-60/UH-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A17.1.2.15.3. 10 Hour/14 Day Inspection								-	-	-
A17.1.3. GENERAL FLIGHT CONTROL SYSTEMS										
A17.1.3.1. Automatic Flight Control System (AFSC) TR: 1H-60(H)G-2-5, 2-11, 2-12, 2-13										
A17.1.3.1.1. Digital AFCS (Digital SAS-2 and Trim)										
A17.1.3.1.1.1. Theory of Operation								-	-	-
A17.1.3.1.1.2. System Tie-in/integration								-	-	-
A17.1.3.1.1.3. Perform inspection								-	-	-
A17.1.3.1.1.4. Perform operational check	*							-	-	-
A17.1.3.1.1.5. Remove and install (R&I)										
A17.1.3.1.1.5.1. Rate Gyro Package								-	-	-
A17.1.3.1.1.5.2. Rate Gyro (Internal)								-	-	-
A17.1.3.1.1.5.3. SAS/FPS Computer								-	-	-
A17.1.3.1.1.5.4. Rate Gyro Assembly								-	-	-
A17.1.3.1.1.5.5. Yaw Trim Servo								-	-	-
A17.1.3.1.1.5.6. Roll Trim Servo								-	-	-
A17.1.3.1.1.5.7. Flight Control Panel								-	-	-
A17.1.3.1.1.6. Adjust/Calibrate										
A17.1.3.1.1.6.1. Collective Position Sensor								-	-	-
A17.1.3.1.1.6.2. Tail Rotor Pedal Trim Release Switches								-	-	-
A17.1.3.1.1.7. Troubleshoot to LRUs	*							-	-	-
A17.1.3.1.1.8. Troubleshoot to other than LRUs	*							-	-	-
A17.1.3.1.2. ANALOG SAS-1 TR: 1H-60(H)G-2-5, 2-11, 2-12, 2-13										
A17.1.3.1.2.1. Theory of Operation								-	-	-

HH-60/UH-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A17.1.3.1.2.2. System Tie-in/Integration								-	-	-
A17.1.3.1.2.3. Perform inspection								-	-	-
A17.1.3.1.2.4. Perform operational check	*							-	-	-
A17.1.3.1.2.5. Remove and install (R&I) SAS Amplifier								-	-	-
A17.1.3.1.2.6. Troubleshoot to LRUs	*							-	-	-
A17.1.3.1.2.7. Troubleshoot to other than LRUs		*						-	-	-
A17.1.3.1.3. Stabilator Control System TR: 1H-60(H)G-2-5, 2-11, 2-12, 2-13										
A17.1.3.1.3.1. Theory of Operation								-	-	-
A17.1.3.1.3.2. System Tie-in/Integration								-	-	-
A17.1.3.1.3.3. Perform inspection								-	-	-
A17.1.3.1.3.4. Perform operational check	*							-	-	-
A17.1.3.1.3.5. Remove and install (R&I)										
A17.1.3.1.3.5.1. Stabilator Amplifier								-	-	-
A17.1.3.1.3.5.2. Stabilator Indicator								-	-	-
A17.1.3.1.3.5.3. Lateral Accelerometer								-	-	-
A17.1.3.1.3.5.4. Airspeed Transducer								-	-	-
A17.1.3.1.3.5.5. Air Data Transducer								-	-	-
A17.1.3.1.3.5.6. Stabilator Actuator	*							-	-	-
A17.1.3.1.3.5.7. Stabilator Position and Limit Assembly								-	-	-
A17.1.3.1.3.5.8. Manual Slew Switch								-	-	-
A17.1.3.1.3.6. Perform minimum performance checks								-	-	-
A17.1.3.1.3.7. Perform Adjustments/Calibration										
A17.1.3.1.3.7.1. Stabilator Actuator Initial Rig								-	-	-

HH-60/UH-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A17.1.3.1.3.7.2. Stabilator Amplifier Bias								-	-	-
A17.1.3.1.3.7.3. Stabilator Amplifier Null								-	-	-
A17.1.3.1.3.7.4. Stabilator Position and Limit Assembly								-	-	-
A17.1.3.1.3.8. Perform minimum performance checks								-	-	-
A17.1.3.1.3.9. Troubleshoot to LRUs	*							-	-	-
A17.1.3.1.3.10. Troubleshoot to other than LRUs		*						-	-	-
A17.1.3.1.4. Altitude Hold and Hover Stabilization System (AHHS) TR: 1H-60(H)G-2-5, 2-11, 2-12, 2-13										
A17.1.3.1.4.1. Theory of Operation								B	B	-
A17.1.3.1.4.2. System Tie In/Integration								-	-	-
A17.1.3.1.4.3. Perform inspection								-	-	-
A17.1.3.1.4.4. Perform operational check	*							-	-	-
A17.1.3.1.4.5. Remove and install (R&I)										
A17.1.3.1.4.5.1. System Control Units (SCU)								-	-	-
A17.1.3.1.4.5.2. System Electronic Unit (SEU)								-	-	-
A17.1.3.1.4.5.3. System Interface Unit (SIU)								-	-	-
A17.1.3.1.4.5.4. Forward Relay Unit (FRU)								-	-	-
A17.1.3.1.4.5.5. Collective Trim Servo								-	-	-
A17.1.3.1.4.5.6. SEU/SIU Mount Assembly								-	-	-
A17.1.3.1.4.5.7. SCU System Lamps								-	-	-
A17.1.3.1.4.5.8. SCU Indicator/Switch								-	-	-
A17.1.3.1.4.6. Adjust SEU Null								-	-	-
A17.1.3.1.4.7. Troubleshoot to LRUs	*							-	-	-
A17.1.3.1.4.8. Troubleshoot to other than LRUs		*						-	-	-

HH-60/UH-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A17.1.4. GENERAL COMPUTER COMPLEX										
A17.1.4.1. Controls and Displays										
A17.1.4.1.1. Video Symbology Display System (VSDS) TR: 1H-60(H)G-2-12, 2-13										
A17.1.4.1.1.1. Theory of Operation								B	B	- -
A17.1.4.1.1.2. System Tie-in/Integration								-	-	- -
A17.1.4.1.1.3. Perform inspection								-	-	- -
A17.1.4.1.1.4. Perform operational check								-	-	- -
A17.1.4.1.1.5. Remove and install (R&I) Components										
A17.1.4.1.1.5.1. VSDS Control Unit								-	-	- -
A17.1.4.1.1.5.2. Panel Display Unit (PDU)								-	-	- -
A17.1.4.1.1.5.3. Video Symbology Display Unit								-	-	- -
A17.1.4.1.1.5.4. Symbology Generation Unit (SGU)								-	-	- -
A17.1.4.1.1.5.5. SGU Mount								-	-	- -
A17.1.4.1.1.5.6. Inclinometer								-	-	- -
A17.1.4.1.1.6. Troubleshoot to LRUs								-	-	- -
A17.1.4.1.1.7. Troubleshoot to other than LRUs								-	-	- -
A17.1.4.2. Data Transfer System TR: 1H-60(H)G-2-12, 2-13										
A17.1.4.2.1. Theory of Operation								-	-	- -
A17.1.4.2.2. System Tie-in/Integration								-	-	- -
A17.1.4.2.3. Perform inspection								-	-	- -
A17.1.4.2.4. Perform operational check								-	-	- -
A17.1.4.2.5. Remove and install (R&I) Data Transfer Unit								-	-	- -
A17.1.4.2.6. Load Programs/Software								-	-	- -

HH-60/UH-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A17.1.4.2.7. Troubleshoot to LRUs								-	-	-
A17.1.4.2.8. Troubleshoot to other than LRUs								-	-	-
A17.1.4.3. Electromagnetic Environment Protection (EMEP) TR: 1H-60(H)G-2-12, 2-13										
A17.1.4.3.1. Theory of Operation								-	-	-
A17.1.4.3.2. System Tie-in/Integration								-	-	-
A17.1.4.3.3. Perform inspection								-	-	-
A17.1.4.3.4. Perform operational check	*							-	-	-
A17.1.4.3.5. Remove and install (R&I)										
A17.1.4.3.5.1. Pin Filter Adapter Mount Type								-	-	-
A17.1.4.3.5.2. Pin Filter Adapter Plug Type								-	-	-
A17.1.5. HH-60(M)G GENERAL NAVIGATION SYSTEMS TR: Applicable system technical orders.										
A17.1.5.1. Command Instrument System (CIS) TR: 1H-60(H)G-2-12, 2-13										
A17.1.5.1.1. Theory of Operation								-	-	-
A17.1.5.1.2. System Tie-in/Integration								-	-	-
A17.1.5.1.3. Perform inspection								-	-	-
A17.1.5.1.4. Perform operational check	*							-	-	-
A17.1.5.1.5. Remove and install (R&I)										
A17.1.5.1.5.1. CIS Processor								-	-	-
A17.1.5.1.5.2. CIS Processor Mount								-	-	-
A17.1.5.1.5.3. HIS								-	-	-
A17.1.5.1.5.4. CIS Mode Select Panel								-	-	-
A17.1.5.1.5.5. CIS Mode Switch								-	-	-

HH-60/UH-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A17.1.5.1.5.6. CIS Mode Select Panel Lamps								-	-	-
A17.1.5.1.6. Troubleshoot to LRUs	*							-	-	-
A17.1.5.1.7. Troubleshoot to other than LRUs		*						-	-	-
A17.1.5.2. Inertial Navigation System (INS) TR: 1H-60(H)G-2-12, 2-13										
A17.1.5.2.1. Theory of Operation								-	-	-
A17.1.5.2.2. System Tie-in/Integration								-	-	-
A17.1.5.2.3. Perform inspection								-	-	-
A17.1.5.2.4. Perform operational check								-	-	-
A17.1.5.2.5. Remove and install (R&I)										
A17.1.5.2.5.1. Inertial Navigation Unit (INU)								-	-	-
A17.1.5.2.5.2. Control Display Unit (CDU)								-	-	-
A17.1.5.2.5.3. Mode Select Unit								-	-	-
A17.1.5.2.5.4. Aircraft Junction Unit								-	-	-
A17.1.5.2.5.5. Data Transfer Unit								-	-	-
A17.1.5.2.5.6. INU Fan								-	-	-
A17.1.5.2.5.7. CDU Fan								-	-	-
A17.1.5.2.6. Perform Alignment Procedure								-	-	-
A17.1.5.2.7. Troubleshoot to LRUs								-	-	-
A17.1.5.2.8. Troubleshoot to other than LRUs								-	-	-
A17.1.5.3. Compass Systems										
A17.1.5.3.1. Compass System AN/ASN-43 TR: 1H-60(H)G-2-12, 2-13										
A17.1.5.3.1.1. Theory of Operation								-	-	-
A17.1.5.3.1.2. System Tie-in/Integration								-	-	-
A17.1.5.3.1.3. Perform inspection								-	-	-

HH-60/UH-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A17.1.5.3.1.4. Perform operational check	*							-	-	-
A17.1.5.3.1.5. Remove and install (R&I)										
A17.1.5.3.1.5.1. Directional Gyroscope								-	-	-
A17.1.5.3.1.5.2. Compass Control Panel								-	-	-
A17.1.5.3.1.5.3. Magnetic Compensator								-	-	-
A17.1.5.3.1.5.4. Magnetic Flux Transmitter								-	-	-
A17.1.5.3.1.6. Perform Calibration Adjustments/ Compass Swing								-	-	-
A17.1.5.3.1.7. Troubleshoot to LRUs	*							-	-	-
A17.1.5.3.1.8. Troubleshoot to other than LRUs		*						-	-	-
A17.1.5.3.2. Standby Compass TR: 1H-60(H)G-2-4, 5N3-2-1-101										
A17.1.5.3.2.1. Theory of Operation								-	-	-
A17.1.5.3.2.3. Perform inspection								-	-	-
A17.1.5.3.2.4. Perform operational check								-	-	-
A17.1.5.3.2.5. Remove and install (R&I) Standby Compass								-	-	-
A17.1.5.3.2.6. Perform Calibration Adjustments/ Compass Swing								-	-	-
A17.1.5.3.2.7. Troubleshoot to LRUs								-	-	-
A17.1.6. HH-60(M)G FLIGHT INSTRUMENTS TR: Applicable system technical orders.										
A17.1.6.1. Pitot Static System TR: 1H-60(H)G-2-4, 2-9, 2-13										
A17.1.6.1.1. Theory of Operation								-	-	-
A17.1.6.1.2. System Tie-in/Integration								-	-	-
A17.1.6.1.3. Perform inspection								-	-	-
A17.1.6.1.4. Perform operational check	*							-	-	-
A17.1.6.1.5. Remove and install (R&I)										

HH-60/UH-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A17.1.6.1.5.1. Altimeter								-	-	-
A17.1.6.1.5.2. Airspeed Indicator								-	-	-
A17.1.6.1.5.3. Vertical Velocity								-	-	-
A17.1.6.1.5.4. Pitot Static Tube								-	-	-
A17.1.6.1.5.5. Pitot Static Lines								-	-	-
A17.1.6.1.5.6. Airspeed Air Data Buffer								-	-	-
A17.1.6.1.6. Adjust/Calibrate										
A17.1.6.1.6.1. Altimeters								-	-	-
A17.1.6.1.6.2. Vertical Velocity Indicators								-	-	-
A17.1.6.1.7. Perform minimum performance checks										
A17.1.6.1.7.1. Barometric Altimeter								-	-	-
A17.1.6.1.7.2. Altimeter Encoder								-	-	-
A17.1.6.1.7.3. Airspeed Indicator								-	-	-
A17.1.6.1.7.4. Vertical Velocity Indicator								-	-	-
A17.1.6.1.8. Troubleshoot to LRUs	*							-	-	-
A17.1.6.1.9. Troubleshoot to other than LRUs		*						-	-	-
A17.1.6.2. Attitude Indicating System TR: 1H-60(H)G-2-12, 2-13										
A17.1.6.2.1. Theory of Operation								-	-	-
A17.1.6.2.2. System Tie-in/Integration								-	-	-
A17.1.6.2.3. Perform inspection								-	-	-
A17.1.6.2.4. Perform operational check								-	-	-
A17.1.6.2.5. Remove and install (R&I)										
A17.1.6.2.5.1. Vertical Situation Indicator (VSI)								-	-	-
A17.1.6.2.5.2. Vertical Gyro								-	-	-

HH-60/UH-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A17.1.6.2.5.3. VSI/HSI Mode Select Panel								-	-	-	-
A17.1.6.2.6. Troubleshoot to LRUs								-	-	-	-
A17.1.6.2.7. Troubleshoot to other than LRUs								-	-	-	-
A17.1.6.3. Rate of Turn Indicating System TR: 1H-60(H)G-2-12, 2-13											
A17.1.6.3.1. Theory of Operation								-	-	-	-
A17.1.6.3.2. System Tie-in/Integration								-	-	-	-
A17.1.6.3.3. Perform inspection								-	-	-	-
A17.1.6.3.4. Perform operational check								-	-	-	-
A17.1.6.3.5. Remove and install (R&I) Rate of Turn Gyro								-	-	-	-
A17.1.6.3.6. Troubleshoot to LRUs								-	-	-	-
A17.1.6.3.7. Troubleshoot to other than LRUs								-	-	-	-
A17.1.6.4. Air Temperature TR: 1H-60(H)G-2-4											
A17.1.6.4.1. Theory of Operation								-	-	-	-
A17.1.6.4.2. System Tie-in/Integration								-	-	-	-
A17.1.6.4.3. Perform inspection								-	-	-	-
A17.1.6.4.4. Perform operational check								-	-	-	-
A17.1.6.4.5. Remove and install (R&I) Air Temp Gauge								-	-	-	-
A17.1.6.4.6. Troubleshoot to LRUs								-	-	-	-
A17.1.6.4.7. Troubleshoot to other than LRUs								-	-	-	-
A17.1.6.5. Aircraft Clock TR: 1H-60(H)G-2-4											
A17.1.6.5.1. Theory of Operation								-	-	-	-
A17.1.6.5.2. Perform inspection								-	-	-	-
A17.1.6.5.3. Perform operational check								-	-	-	-

HH-60/UH-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A17.1.6.5.4. Remove and install (R&I) Clock								-	-	-
A17.1.6.5.5. Troubleshoot to LRUs								-	-	-
A17.1.6.6. Vertical Instrument Display System (VIDS) TR: 1H-60(H)G-2-4, 2-9										
A17.1.6.6.1. Theory of Operation								-	-	-
A17.1.6.6.2. System Tie-in/Integration								-	-	-
A17.1.6.6.3. Perform inspection								-	-	-
A17.1.6.6.4. Perform operational check	*							-	-	-
A17.1.6.6.5. Remove and install (R&I)										
A17.1.6.6.5.1. Central Display Unit (CDU)								-	-	-
A17.1.6.6.5.2. Pilot Display Unit (PDU)								-	-	-
A17.1.6.6.5.3. Signal Data Converter (SDC)								-	-	-
A17.1.6.6.6. Perform minimum performance checks										
A17.1.6.6.6.1. Central Display Unit (CDU)								-	-	-
A17.1.6.6.6.2. Pilot Display Unit (PDU)								-	-	-
A17.1.6.6.6.3. Signal Data Converter (SDC)								-	-	-
A17.1.6.6.7. Perform bench checks										
A17.1.6.6.7..1. Central Display Unit (CDU)								-	-	-
A17.1.6.6.7..2. Pilot Display Unit (PDU)								-	-	-
A17.1.6.6.7..3. Signal Data Converter (SDC)								-	-	-
A17.1.6.6.8. Troubleshoot to LRUs	*							-	-	-
A17.1.6.6.9. Troubleshoot to other than LRUs		*						-	-	-
A17.1.7. FUEL QUANTITY INDICATING SYSTEMS TR: 1H-60(H)G-2-4, 2-9										

HH-60/UH-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A17.1.7.1. Main Fuel Quantity Indicating System TR: 1H-60(H)G-2-4, 2-9										
A17.1.7.1.1. Theory of Operation								-	-	-
A17.1.7.1.2. System Tie-in/Integration								-	-	-
A17.1.7.1.3. Perform inspection								-	-	-
A17.1.7.1.4. Perform operational check	*							-	-	-
A17.1.7.1.5. Remove and install (R&I)										
A17.1.7.1.5.1. Probe								-	-	-
A17.1.7.1.5.2. Probe Wiring Harness								-	-	-
A17.1.7.1.5.3. Signal Conditioner								-	-	-
A17.1.7.1.6. Calibrate System	*							-	-	-
A17.1.7.1.7. Troubleshoot to LRUs	*							-	-	-
A17.1.7.1.8. Troubleshoot to other than LRUs		*						-	-	-
A17.1.7.2. Enhanced Fuel Quantity Indicating Systems TR: 1H-60(H)G-2-4, 2-9										
A17.1.7.2.1. Theory of Operation								-	-	-
A17.1.7.2.2. System Tie-in/Integration								-	-	-
A17.1.7.2.3. Perform inspection								-	-	-
A17.1.7.2.4. Perform operational check	*							-	-	-
A17.1.7.2.5. Remove and install (R&I)										
A17.1.7.2.5.1. Indicator								-	-	-
A17.1.7.2.5.2. Probe								-	-	-
A17.1.7.2.5.3. Probe Wiring Harness								-	-	-
A17.1.7.2.5.4. Display Selector Switch Panel								-	-	-
A17.1.7.2.6. Troubleshoot to LRUs	*							-	-	-

HH-60/UH-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A17.1.7.2.7. Troubleshoot to other than LRUs	*							-	-	-
A17.1.8. MISCELLANEOUS SWITCH PANEL TR: 1H-60(H)G-2-13										
A17.1.8.1. Theory of Operation								-	-	-
A17.1.8.2. System Tie-in/Integration								-	-	-
A17.1.8.3. Perform inspection								-	-	-
A17.1.8.4. Perform operational check								-	-	-
A17.1.8.5. Remove and install (R&I) Miscellaneous Switch Panel								-	-	-
A17.1.8.6. Troubleshoot to LRUs								-	-	-
A17.1.8.7. Troubleshoot to other than LRUs								-	-	-
A17.1.9. OPERATE/MAINTAIN TEST EQUIPMENT TR: Applicable aircraft -2 technical orders, 33 technical orders										
A17.1.9.1. STAB/SAS Line Test Set								-	-	-
A17.1.9.2. VIDS Test Set (Flight Line)								-	-	-
A17.1.9.3. VIDS Test Set (Flight Line/Shop)								-	-	-
A17.2. UH-1										
A17.2.1. GENERAL ORGANIZATION MAINTENANCE TR: 1H-1(U)N technical orders										
A17.2.1.1. Aircraft/Airframe Familiarization								-	-	-
A17.2.1.2. Major Structural Areas								-	-	-
A17.2.1.3. Major Aircraft Systems								-	-	-
A17.2.1.4. Defensive Systems (DS) Familiarization								-	-	-
A17.2.1.5. Aircraft Egress Procedures								-	-	-
A17.2.1.6. Technical Order Familiarization								-	-	-
A17.2.1.7. Flightline Safety/Precautions/Security								-	-	-

HH-60/UH-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A17.2.1.8. Dropped Object Prevention Program (DOPP)								-	-	-
A17.2.2. GENERAL MAINTENANCE TASKS TR: 00-20 series and 1H-1(U)N technical orders										
A17.2.2.1. Apply/Disconnect External Electrical Power	*							-	-	-
A17.2.2.2. Ensure aircraft is safe for maintenance	*							-	-	-
A17.2.2.3. Inspect/Use Ground Maintenance Stands								-	-	-
A17.2.2.4. Statically Ground Aircraft								-	-	-
A17.2.2.5. Perform Aircraft Wash								-	-	-
A17.2.2.6. Open/Close Engine Cowling								-	-	-
A17.2.2.7. Remove and install (R&I) Aircraft Maintenance Access Panels								-	-	-
A17.2.2.8. Use Aircraft Interphone System								-	-	-
A17.2.2.9. Perform Aircraft Marshaling Procedures								-	-	-
A17.2.2.10. Launch/Recover Aircraft								-	-	-
A17.2.2.11. Aircraft Jacking										
A17.2.2.11.1. Jack Team Member								-	-	-
A17.2.2.11.2. Jack Team Supervisor								-	-	-
A17.2.2.12. Refuel/Defuel Aircraft										
A17.2.2.12.1. Refuel/Defuel Team Member								-	-	-
A17.2.2.12.2. Refuel/Defuel Supervisor								-	-	-
A17.2.2.13. Tow Aircraft										
A17.2.2.13.1. Perform Wing/Tail Walker Duties								-	-	-
A17.2.2.13.2. Brake Operator								-	-	-
A17.2.2.13.3. Tow Vehicle Operator								-	-	-
A17.2.2.13.4. Tow Supervisor								-	-	-

HH-60/UH-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A17.2.2.14. Fold/Unfold Helicopter										
A17.2.2.14.1. Aircraft Tear down								-	-	-
A17.2.2.14.2. Aircraft Build up								-	-	-
A17.2.2.15. Perform Aircraft Inspections										
A17.2.2.15.1. Special Inspection								-	-	-
A17.2.2.15.2. Periodic Inspection								-	-	-
A17.2.2.15.3. 10 Hour/14 Day Inspection								-	-	-
A17.2.3. GENERAL NAVIGATION SYSTEMS TR: Applicable system technical orders.										
A17.2.3.1. Compass System TR: 1H-1(U)N-2-1										
A17.2.3.1.1. Theory of Operation								-	-	-
A17.2.3.1.2. System Tie-in/Integration								-	-	-
A17.2.3.1.3. Perform inspection								-	-	-
A17.2.3.1.4. Perform operational check								-	-	-
A17.2.3.1.5. Remove and install (R&I)										
A17.2.3.1.5.1. Bearing Distance Heading Indicator								-	-	-
A17.2.3.1.5.2. Course Deviation Indicator								-	-	-
A17.2.3.1.5.3. Directional Gyroscope								-	-	-
A17.2.3.1.5.4. Electronic Control Amplifier								-	-	-
A17.2.3.1.5.5. Induction Compass Transmitter								-	-	-
A17.2.3.1.5.6. Magnetic Flux Compensator								-	-	-
A17.2.3.1.6. Perform Calibration Adjustments/ Compass Swing								-	-	-
A17.2.3.1.7. Troubleshoot to LRUs								-	-	-
A17.2.3.1.8. Troubleshoot to other than LRUs								-	-	-

HH-60/UH-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A17.2.4. 1H-1(U)N FLIGHT INSTRUMENTS TR: Applicable system technical orders.										
A17.2.4.1. Pitot Static System TR: 1H-1(U)N-2-1										
A17.2.4.1.1. Theory of Operation								-	-	-
A17.2.4.1.2. Perform inspection								-	-	-
A17.2.4.1.3. Perform operational check								-	-	-
A17.2.4.1.4. Remove and install (R&I)										
A17.2.4.1.4.1. Altimeter								-	-	-
A17.2.4.1.4.2. Airspeed Indicator								-	-	-
A17.2.4.1.4.3. Vertical Speed Indicator								-	-	-
A17.2.4.1.4.4. Pitot Static Tube								-	-	-
A17.2.4.1.4.5. Pitot Static Lines								-	-	-
A17.2.4.1.5. Troubleshoot to LRUs								-	-	-
A17.2.4.1.6. Troubleshoot to other than LRUs								-	-	-
A17.2.4.2. Attitude Indicating System TR: 1H-1(U)N-2-1										
A17.2.4.2.1. Theory of Operation								-	-	-
A17.2.4.2.2. Perform inspection								-	-	-
A17.2.4.2.3. Perform operational check	*							-	-	-
A17.2.4.2.4. Remove and install (R&I)										
A17.2.4.2.4.1. Attitude Director Indicator								-	-	-
A17.2.4.2.4.2. MD-1 Gyro								-	-	-
A17.2.4.2.5. Adjust Altimeter								-	-	-
A17.2.4.2.6. Troubleshoot to LRUs	*							-	-	-
A17.2.4.2.7. Troubleshoot to other than LRUs		*						-	-	-

HH-60/UH-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A17.2.5. TURN AND SLIP INDICATING SYSTEM TR: 1H-1(U)N-2-1											
A17.2.5.1. Theory of Operation								-	-	-	-
A17.2.5.2. Perform inspection								-	-	-	-
A17.2.5.3. Perform operational check								-	-	-	-
A17.2.5.4. Remove and install (R&I) Turn and Slip Indicator								-	-	-	-
A17.2.5.5. Troubleshoot to LRUs								-	-	-	-
A17.2.5.6. Troubleshoot to other than LRUs								-	-	-	-
A17.2.6. FUEL QUANTITY INDICATING SYSTEMS TR: 1H-1(U)N-2-1											
A17.2.6.1. Theory of Operation								-	-	-	-
A17.2.6.2. Perform inspection								-	-	-	-
A17.2.6.3. Perform operational check								-	-	-	-
A17.2.6.4. Remove and install (R&I)											
A17.2.6.4.1. Indicator								-	-	-	-
A17.2.6.4.2. Probe								-	-	-	-
A17.2.6.5. Perform calibration	*							-	-	-	-
A17.2.6.6. Troubleshoot to LRUs								-	-	-	-
A17.2.6.7. Troubleshoot to other than LRUs								-	-	-	-
A17.2.7. ENGINE INSTRUMENTS TR: 1H-1(U)N-2-1											
A17.2.7.1. Theory of Operation								-	-	-	-
A17.2.7.2. Perform inspection								-	-	-	-
A17.2.7.3. Perform operational check								-	-	-	-
A17.2.7.4. Remove and install (R&I)											
A17.2.7.4.1. Torque Pressure Indicator								-	-	-	-

HH-60/UH-1 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A17.2.7.4.2. Torque Pressure Transmitter								-	-	-
A17.2.7.4.3. Tachometer Indicator								-	-	-
A17.2.7.4.4. Tachometer Generator								-	-	-
A17.2.7.4.5. Engine Oil Pressure Indicator								-	-	-
A17.2.7.4.6. Engine Oil Pressure Transmitter								-	-	-
A17.2.7.4.7. Engine Oil Temperature Indicator								-	-	-
A17.2.7.4.8. Engine Oil Temperature Transmitter								-	-	-
A17.2.7.4.9. Inter-Turbine Temperature Indicator								-	-	-
A17.2.7.4.10. Fuel Flow Indicator								-	-	-
A17.2.7.5. Adjust/Calibrate										
A17.2.7.5.1. Torque Pressure Transmitter								-	-	-
A17.2.7.6. Troubleshoot to LRUs								-	-	-
A17.2.7.7. Troubleshoot to other than LRUs								-	-	-

KC-10 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
	5	7								

ATTACHMENT 18 - KC-10 Training Requirements

NOTE 1: The apprentice course will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.

NOTE 2: All course requirements are trained in the 3-level resident course during wartime. The 7-level in-residence course is not taught during wartime.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items marked in columns 2A or 2B marked with a */R are optional core tasks for ANG and AFRC.

NOTE 5: Items coded in column 4A will be trained using KC-10 aircraft/systems. If KC-10 aircraft/systems are unavailable, representative systems from other aircraft may be used.

NOTE 6: Address comments or recommended changes through the MAJCOM Functional Manager to the AETC Training Manager, at DSN 736-7891.

A18.1. GENERAL ORGANIZATION MAINTENANCE TR: AFI 21-101, AFOSH 91-2, AFOSH 91-100, 1C-10(K)A-2-20, 1C-10(K)A-2-1, 1C-10(K)A-2-IFI-1, 1C-10(K)A-21, 1C-10(K)A-2-52, 1C-10(K)A-6WC-1, 35C2-3-469-1, Local OIs										
A18.1.1. Team communications training								-	-	-
A18.1.2. FOD/DOPP Prevention								-	-	-
A18.1.3. Major Structural Areas/Environmental Areas								-	-	-
A18.1.4. Aircraft Egress Procedures								-	-	-
A18.1.5. ATA Technical Order Familiarization								-	-	-
A18.1.6. Accomplish Requisitions (Contractor Operated and Maintained Base Supply)								-	-	-
A18.1.7. Accomplish Item Failure Reports (COMBS)								-	-	-
A18.1.8. Select/Use Safetying Devices								-	-	-
A18.1.9. Welcome/Orientation								-	-	-
A18.1.10. Flightline Safety/Precautions/Security								-	-	-
A18.1.11. Inspect/Operate Portable External Electrical power unit	*							-	-	-
A18.1.12. Inspect/Use Ground Maintenance Stands								-	-	-
A18.1.13. Perform A Check Inspection								-	-	-

KC-10 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A18.1.14. Perform C Check Inspection								-	-	-	-
A18.2. GENERAL MAINTENANCE TASKS TR: AFI 11-218, 00-25-172, 1C-10(K)A-2-7, 1C-10(K)A-2-CL-1, 1C-10(K)A-2-9CL-1, 1C-10(K)A-2-12 series tech orders, 1C-10(K)A-2-20, 1C-10(K)A-2-21, 1C-10(K)A-2-23, 1C-10(K)A-2-29, 1C-10(K)A-2-49, 1C-10(K)A-2-49CL-1, 1C-10(K)A-2-52, 1C-10(K)A-2-71, 1C-10(K)A-2-71CL-1											
A18.2.1. Ensure Aircraft Safe for Maintenance	*							-	-	-	-
A18.2.2. Static Ground Aircraft								-	-	-	-
A18.2.3. Remove and install (R&I) Panels								-	-	-	-
A18.2.4. Jack Team Member								-	-	-	-
A18.2.5. Tow Aircraft TR: 1C-10(K)A-2-9											
A18.2.5.1 Tow Supervisor								-	-	-	-
A18.2.5.2. Tow Vehicle Driver								-	-	-	-
A18.2.5.3. Wing/Tail Walker								-	-	-	-
A18.2.5.4. Brake Operator								-	-	-	-
A18.2.5. Launch/Recover Aircraft								-	-	-	-
A18.2.6. Marshall Aircraft								-	-	-	-
A18.2.7. Perform Aircraft Deicing Procedures								-	-	-	-
A18.2.8. Operate UHF Radios								-	-	-	-
A18.2.9. Operate Aircraft Interphone System								-	-	-	-
A18.2.10. Refuel/Defuel Team Member								-	-	-	-
A18.2.11. Operate APU	*							-	-	-	-
A18.2.12. Apply External Power	*							-	-	-	-
A18.2.13. Operate Air Conditioning Pack	*							-	-	-	-

KC-10 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) Crse
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	-	-	-
A18.2.14. Pressurize/Depressurize Hydraulic Systems	*							-	-	-
A18.2.15. Operate Cargo Door								-	-	-
A18.2.16. Raise/Lower Air Refueling Boom								-	-	-
A18.2.17. Engine Access TR: 1C-10(K)A-2-71, 1C-10(K)A-2-71CL-1										
A18.2.17.1. Open/Close fan cowling								-	-	-
A18.2.17.2. Open/Close core cowling								-	-	-
A18.2.17.3. Open/Close reverser cowling								-	-	-
A18.2.17.4. Access #2 Engine								-	-	-
A18.2.18. Tail stand safety / operate tail maintenance stand								-	-	-
A18.3. GENERAL FLIGHT CONTROLS										
A18.3.1. Flight Controls Indication Systems TR: 1C-10(K)A-2-27 1C-10(K)A-2-27FI-1, 1C-10(K)A-2-110-27										
A18.3.1.1. Flap/Slat Position Indicating System										
A18.3.1.1. Theory of operation								-	-	-
A18.3.1.2. System Tie-in/Integration								-	-	-
A18.3.1.3. Perform inspection								-	-	-
A18.3.1.4. Perform operational checks	*							-	-	-
A18.3.1.5. Remove and install (R&I)/Adjust LRUs										
A18.3.1.5.1. Outboard Flap Transmitter	*							-	-	-
A18.3.1.5.2. Inboard Flap Transmitter	*							-	-	-
A18.3.1.5.3. Flap Handle Transmitter								-	-	-
A18.3.1.5.4. Slat Handle Limit Switches								-	-	-
A18.3.1.6. Troubleshoot system	*							-	-	-

KC-10 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A18.3.2. Surface Position Indicating System										
A18.3.2.1. Theory of Operation								-	-	-
A18.3.2.2. Perform inspection								-	-	-
A18.3.2.3. Perform operational checks								-	-	-
A18.3.2.4. Remove and install (R&I)										
A18.3.2.4.1. Position LVDT								-	-	-
A18.3.2.4.2. Spoiler Position Transmitter								-	-	-
A18.3.2.5. Troubleshoot system								-	-	-
A18.3.3. Autopilot/Flight Director Systems TR: 1C-10(K)A-2-22, 1C-10(K)A-2-22FI-1, 1C-10(K)A-2-110-22										
A18.3.3.1. Theory of Operation								-	-	-
A18.3.3.2. System Tie-in/Integration								-	-	-
A18.3.3.3. Perform inspection								-	-	-
A18.3.3.4. Perform operational checks										
A18.3.3.4.1. A/P Engage/Disengage; Altitude Hold; Altitude Preselect/Advisory	*							-	-	-
A18.3.3.4.2. IAS/Mach Hold; Vertical Speed; Turbulence								-	-	-
A18.3.3.4.3. Auto Pitch Trim; CWS; Heading Hold; Heading Select								-	-	-
A18.3.3.4.4. VOR; Speed Brake Roll Channel Interlocks; Takeoff/Go-around								-	-	-
A18.3.3.4.5. Back Course; Localizer; ILS								-	-	-
A18.3.3.4.6. A/P; ILS Status Test								-	-	-
A18.3.3.4.7. Flight Guidance BIT Tests								-	-	-
A18.3.3.5. Remove and install (R&I)										
A18.3.3.5.1. Elevator Averaging LVDT								-	-	-

KC-10 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) Crse
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials			
A18.3.3.5.2. Aileron Averaging LVDT								-	-	-
A18.3.3.5.3. CWS Sensor								-	-	-
A18.3.3.5.4. Flight Mode Annunciator								-	-	-
A18.3.3.5.5. Horizontal Stabilizer in Motion Sensor	*							-	-	-
A.18.3.3.5.6. Flight Guidance Control Panel Rack								-	-	-
A18.3.3.6. Troubleshoot system		*						-	-	-
A18.3.4. Yaw Damper TR: 1C-10(K)A-2-22, 1C-10(K)A-2-22FI-1, 1C-10(K)A-2-110-22										
A18.3.4.1. Theory of Operation								-	-	-
A18.3.4.2. System Tie-in/Integration								-	-	-
A18.3.4.3. Perform inspection								-	-	-
A18.3.4.4. Perform operational checks	*							-	-	-
A18.3.4.5. Troubleshoot system		*						-	-	-
A18.3.5. Automatic Throttle Control System TR: 1C-10K(A)2-22, 1C-10(K)A-2-22FI-1, 1C-10(K)A-2-110-22										
A18.3.5.1. Theory of Operation								-	-	-
A18.3.5.2. Perform inspection								-	-	-
A18.3.5.3. System Tie-in/Integration								-	-	-
A18.3.5.4. Perform operational checks										
A18.3.5.4.1. Autothrottle Engage/Disengage; Autothrottle Elected Speed Test; N1 Control Test								-	-	-
A18.3.5.4.2. Autothrottle Overpower Test; Retard Test; Minimum Authority Test								-	-	-
A18.3.5.4.3. Maximum Authority Test without Engine Run								-	-	-
A18.3.5.4.4. Maximum Authority Test with Engine Run								-	-	-

KC-10 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) Crse
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	-	-	-
A18.3.5.4.5 Autoslat; AT/SC Sensor Test; Autothrottle Takeoff Functions Test	*							-	-	-
A18.3.5.4.6. Slat Logic, Cross Tie Relay and Alpha Speed Test	*							-	-	-
A18.3.5.5. Remove and install (R&I)										
A18.3.5.5.1. Duplex Throttle Servo								-	-	-
A18.3.5.5.2. Clutches								-	-	-
A18.3.5.6. Adjust Clutches								-	-	-
A18.3.5.7. Troubleshoot system	*							-	-	-
A18.3.6. Elevator Load and Feel/ Flap Limiting System TR: 1C-10(K)A-2-27, 1C-10(K)A-2-27FI-1, 1C-10(K)A-2-110-27										
A18.3.6.1. Theory of Operation								-	-	-
A18.3.6.2. System Tie-in/Integration								-	-	-
A18.3.6.3. Perform inspection								-	-	-
A18.3.6.4. Perform operational checks	*							-	-	-
A18.3.6.5. Remove and install (R&I)										
A18.3.6.5.1. ELF Duplex Actuator								-	-	-
A18.3.6.5.2. ELF Transmitter								-	-	-
A18.3.6.5.3. FL Duplex Actuator								-	-	-
A18.3.6.5.4. Flap Interlock Go-Around Switch								-	-	-
A18.3.6.6. Troubleshoot system	*							-	-	-
A18.4. GENERAL COMPUTER COMPLEX										
A18.4.1. Flight Management Systems/GPS TR: 1C-10(K)A-2-34, 1C-10(K)A-2-34 FI-1, 1C-10(K)A-2-110-34										
A18.4.1.1. Theory of Operation								-	-	-
A18.4.1.2. System Tie-in/Integration								-	-	-

KC-10 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) Crse
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials			
A18.4.1.3. Perform inspection								-	-	-
A18.4.1.4. Perform operational checks								-	-	-
A18.4.1.5. Troubleshoot system								-	-	-
A18.5. GENERAL NAVIGATION SYSTEMS										
A18.5.1. Attitude System TR: 1C-10(K)A-2-34, 1C-10(K)A-2-34FI-1, 1C-10(K)A-2-110-34										
A18.5.1.1. Theory of Operation								-	-	-
A18.5.1.2. Perform inspection								-	-	-
A18.5.1.3. System Tie-in/Integration								-	-	-
A18.5.1.4. Perform operational checks	*							-	-	-
A18.5.1.5. Remove and install (R&I)										
A18.5.1.5.1. Standby Attitude Director Indicator	*							-	-	-
A18.5.1.5.2. Standby Static Inverter	*							-	-	-
A18.5.1.6. Troubleshoot system		*						-	-	-
A18.5.2. Primary Compass System TR: 1C-10(K)A-2-34, 1C-10(K)A-2-34FI-1, 1C-10(K)A-2-110-34										
A18.5.2.1. Theory of Operation								-	-	-
A18.5.2.2. System Tie-in/Integration								-	-	-
A18.5.2.3. Perform inspection								-	-	-
A18.5.2.4. Perform operational checks	*							-	-	-
A18.5.2.5. Remove and install (R&I) Flux Valve								-	-	-
A18.5.2.6. Perform Degaussing Procedures								-	-	-
A18.5.2.7. Troubleshoot system		*						-	-	-
A18.5.3. Standby Magnetic Compass TR: 1C-10(K)A-2-34, 1C-10(K)A-2-34FI-1, 1C-10(K)A-2-110-34										

KC-10 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A18.5.3.1. Theory of Operation								-	-	-
A18.5.3.2. Perform inspection								-	-	-
A18.5.3.3. Perform operational checks								-	-	-
A18.5.3.4. Remove and install (R&I) Standby Compass								-	-	-
A18.5.3.5. Perform Standby Compass Calibration								-	-	-
A18.5.3.6. Troubleshoot system								-	-	-
A18.5.4. Inertial Navigation System TR: 1C-10(K)A-2-34, 1C-10(K)A-2-34FI-1, 1C-10(K)A-110-34										
A18.5.4.1. Theory of Operation								-	-	-
A18.5.4.2. System Tie-in/Integration								-	-	-
A18.5.4.3. Perform inspection								-	-	-
A18.5.4.4. Perform operational checks	*							-	-	-
A18.5.4.5. Troubleshoot system	*							-	-	-
A18.6. FLIGHT INSTRUMENTS										
A18.6.1. Pitot/Static Systems TR: 1C-10(K)A-2-34, 1C-10(K)A-2-34FI-1, 1C-10(K)A-2-110-34										
A18.6.1.1. Theory of Operation								-	-	-
A18.6.1.2. Perform inspection								-	-	-
A18.6.1.3. Perform operational checks	*							-	-	-
A18.6.1.4. Perform Pitot/Static Leak Test	*							-	-	-
A18.6.1.5. Remove and install (R&I)										
A18.6.1.5.1. Pitot Tube	*							-	-	-
A18.6.1.5.2. Static Port								-	-	-
A18.6.1.5.3. Static Selector Valve Switch								-	-	-

KC-10 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) Crse
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	-	-	-
A18.6.1.5.4. Port/Plate Heaters								-	-	-
A18.6.1.5.5. Hoses, Lines, and Fittings								-	-	-
A18.6.1.6. Perform Pitot/Static Purge								-	-	-
A18.6.1.7. Troubleshoot system	*							-	-	-
A18.6.2. Standby Altitude Indicating System TR: 1C-10(K)A-2-34, 1C-10(K)A-2-34FI-1, 1C-10(K)A-2-110-34										
A18.6.2.1. Theory of Operation								-	-	-
A18.6.2.2. Perform inspection								-	-	-
A18.6.2.3. System Tie-in/Integration								-	-	-
A18.6.2.4. Perform operational checks	*							-	-	-
A18.6.2.5. Remove and install (R&I) Standby Altimeter								-	-	-
A18.6.2.6. Troubleshoot system	*							-	-	-
A18.6.3. Vertical Velocity Indicating System TR: 1C-10(K)A-2-34, 1C-10(K)A-2-34FI-1, 1C-10(K)A-2-110-34										
A18.6.3.1. Theory of Operation								-	-	-
A18.6.3.2. System Tie-in/Integration								-	-	-
A18.6.3.3. Perform inspection								-	-	-
A18.6.3.4. Perform operational checks								-	-	-
A18.6.3.5. Troubleshoot system								-	-	-
A18.6.4. Mach, Airspeed, and Overspeed Indicating System TR: 1C-10(K)A-2-34, 1C-10(K)A-2-34FI-1, 1C-10(K)A-2-110-34										
A18.6.4.1. Theory of Operation								-	-	-
A18.6.4.2. System Tie-in/Integration								-	-	-
A18.6.4.3. Perform inspection								-	-	-

KC-10 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A18.6.4.4. Perform operational checks								-	-	-
A18.6.4.5. Remove and install (R&I) Standby Airspeed Indicator								-	-	-
A18.6.4.6. Troubleshoot system								-	-	-
A18.6.5. True Airspeed and Static Air Temperature Indicating System TR: 1C-10(K)A-2-34, 1C-10(K)A-2-34FI-1, 1C-10(K)A-110-34										
A18.6.5.1. Theory of Operation								-	-	-
A18.6.5.2. System Tie-in/Integration								-	-	-
A18.6.5.3. Perform inspection								-	-	-
A18.6.5.4. Perform operational checks								-	-	-
A18.6.5.5. Troubleshoot system								-	-	-
A18.6.6. Total Air Temperature and Thrust Rating Indicating System TR: 1C-10(K)A-2-34, 1C-10(K)A-2-34FI-1, 1C-10(K)A-2-110-34										
A18.6.6.1. Theory of Operation								-	-	-
A18.6.6.2. System Tie-in/Integration								-	-	-
A18.6.6.3. Perform inspection								-	-	-
A18.6.6.4. Perform operational checks								-	-	-
A18.6.6.5. Remove and install (R&I) TAT Probe								-	-	-
A18.6.6.6. Troubleshoot system								-	-	-
A18.6.7. Clocks and Time Standards TR: 1C-10(K)A-2-31, 1C-10(K)A-2-31FI-1, 1C-10(K)A-2-110-31										
A18.6.7.1. Theory of Operation								-	-	-
A18.6.7.2. Perform inspection								-	-	-
A18.6.7.3. Perform operational checks	*							-	-	-
A18.6.7.4. Remove and install (R&I) Time Standard								-	-	-

KC-10 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) Crse
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	-	-	-
A18.6.7.5. Troubleshoot system	*							-	-	-
A18.7. AIR DATA SYSTEMS										
A18.7.1. Central Air Data Computing System TR: 1C-10(K)A-2-34, 1C-10(K)A-2-34FI-1, 1C-10(K)A-2-110-34										
A18.7.1.1. Theory of Operation								-	-	-
A18.7.1.2. System Tie-in/Integration								-	-	-
A18.7.1.3. Perform inspection								-	-	-
A18.7.1.4. Perform operational checks	*							-	-	-
A18.7.1.5. Remove and install (R&I) Central Air Data Computer	*							-	-	-
A18.7.1.6. Troubleshoot system	*							-	-	-
A18.8. DATA RECORDING SYSTEMS										
A18.8.1. Digital Flight Data Recording System TR: 1C-10(K)A-2-31, 1C-10(K)A-2-31FI-1, 1C-10(K)A-2-110-31										
A18.8.1.1. Theory of Operation								-	-	-
A18.8.1.2. System Tie-in/Integration								-	-	-
A18.8.1.3. Perform inspection								-	-	-
A18.8.1.4. Perform operational checks	*							-	-	-
A18.8.1.5. Remove and install (R&I)										
A18.8.1.5.1. Brake Pedal Pressure Transmitter								-	-	-
A18.8.1.5.2. Brake Pedal Position Transmitter								-	-	-
A18.8.1.5.3. Underwater Locator Beacon								-	-	-
A18.8.1.6. Adjust Brake Pedal Position Transmitter								-	-	-
A18.8.1.7. Troubleshoot system	*							-	-	-
A18.9. WARNING SYSTEMS										

KC-10 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) Crse	(2) CDC
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials				
A18.9.1. Enhanced Ground Proximity Warning System/Ground Proximity Warning System TR: 1C-10(K)A-2-34, 1C-10(K)A-2-34FI-1, 1C-10(K)A-2-110-34											
A18.9.1.1. Theory of Operation								-	-	-	-
A18.9.1.2. System Tie-in/Integration								-	-	-	-
A18.9.1.3. Perform inspection								-	-	-	-
A18.9.1.4. Perform operational checks	*							-	-	-	-
A18.9.1.5. Remove and install (R&I) Speaker								-	-	-	-
A18.9.1.6. Troubleshoot system		*						-	-	-	-
A18.9.2. Angle of Attack/Stall Warning System TR: 1C-10(K)A-2-34, 1C-10(K)A-2-34FI-1, 1C-10(K)A-2-110-34											
A18.9.2.1. Theory of Operation								-	-	-	-
A18.9.2.2. System Tie-in/Integration								-	-	-	-
A18.9.2.3. Perform inspection								-	-	-	-
A18.9.2.4. Perform operational checks	*							-	-	-	-
A18.9.2.5. Remove and install (R&I)											
A18.9.2.5.1. AOA Vane								-	-	-	-
A18.9.2.5.2. Stick Shaker Motor								-	-	-	-
A18.9.2.6. Troubleshoot system		*						-	-	-	-
A18.9.3. Central Aural Warning Systems TR: 1C-10(K)A-2-31, 1C-10(K)A-2-31FI-1, 1C-10(K)A-2-110-31											
A18.9.3.1. Theory of Operation								-	-	-	-
A18.9.3.2. System Tie-in/Integration								-	-	-	-
A18.9.3.3. Perform inspection								-	-	-	-
A18.9.3.4. Perform operational checks	*							-	-	-	-

KC-10 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A18.9.3.5. Remove and install (R&I) Speaker								-	-	-
A18.9.3.6. Troubleshoot system		*						-	-	-
A18.10. ENGINE INSTRUMENTATION										
A18.10.1. Exhaust Gas Temperature Indicating System TR: 1C-10(K)A-2-77, 1C-10(K)A-2-77FI-1 1C-10(K)A-2-110-77										
A18.10.1.1. Theory of Operation								-	-	-
A18.10.1.2. Perform inspection								-	-	-
A18.10.1.3. Perform operational checks								-	-	-
A18.10.1.4. Remove and install (R&I)										
A18.10.1.4.1. EGT Quadrant								-	-	-
A18.10.1.4.2. Forward/Aft Lead								-	-	-
A18.10.1.5. Troubleshoot system								-	-	-
A18.10.2. Engine Tachometer Indicating Systems TR: 1C-10(K)A-2-77, 1C-10(K)A-2-77FI-1 1C-10(K)A-2-110-77										
A18.10.2.1. Theory of Operation								-	-	-
A18.10.2.2. System Tie-in/Integration								-	-	-
A18.10.2.3. Perform inspection								-	-	-
A18.10.2.4. Perform operational checks	*							-	-	-
A18.10.2.5. Remove and install (R&I)										
A18.10.2.5.1. N1 Transmitter								-	-	-
A18.10.2.5.2. N2 Transmitter								-	-	-
A18.10.2.6. Troubleshoot system		*						-	-	-
A18.10.3. Fuel Pressure Indicating System TR: 1C-10(K)A-2-73, 1C-10(K)A-2-73FI-1 1C-10(K)A-2-110-73										
A18.10.3.1. Theory of Operation								-	-	-

KC-10 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B								
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A18.10.3.2. Perform inspection								-	-	-
A18.10.3.3. Perform operational checks								-	-	-
A18.10.3.4. Remove and install (R&I) Fuel Pressure Transmitter								-	-	-
A18.10.3.5. Troubleshoot system								-	-	-
A18.10.4. Oil Pressure Indicating System TR: 1C-10(K)A-2-79, 1C-10(K)A-2-79FI-1 1C-10(K)A-2-110-79										
A18.10.4.1. Theory of Operation								-	-	-
A18.10.4.2. Perform inspection								-	-	-
A18.10.4.3. Perform operational checks								-	-	-
A18.10.4.4. Remove and install (R&I) Oil Pressure Transmitter								-	-	-
A18.10.4.5. Troubleshoot system								-	-	-
A18.10.5. Oil Temperature Indicating System TR: 1C-10(K)A-2-79, 1C-10(K)A-2-79FI-1 1C-10(K)A-2-110-79										
A18.10.5.1. Theory of Operation								-	-	-
A18.10.5.2. Perform inspection								-	-	-
A18.10.5.3. Perform operational checks								-	-	-
A18.10.5.4. Remove and install (R&I) Oil Temperature Sensor								-	-	-
A18.10.5.5. Troubleshoot system								-	-	-
A18.10.6. Fuel Flow/Fuel Used Indicating System TR: 1C-10(K)A-2-73, 1C-10(K)A-2-73FI-1 1C-10(K)A-2-110-73										
A18.10.6.1. Theory of Operation								-	-	-
A18.10.6.2. Perform inspection								-	-	-
A18.10.6.3. Perform operational checks								-	-	-
A18.10.6.4. Remove and install (R&I) Fuel Flow Transmitter								-	-	-

KC-10 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) Crse
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials			
A18.10.6.5. Troubleshoot system								-	-	-
A18.10.7. Fuel Temperature Indicating System TR: 1C-10(K)A-2-73, 1C-10(K)A-2-73FI-1 1C-10(K)A-2-110-73										
A18.10.7.1. Theory of Operation								-	-	-
A18.10.7.2. Perform inspection								-	-	-
A18.10.7.3. Perform operational checks								-	-	-
A18.10.7.4. Remove and install (R&I) Fuel Temperature Sensor								-	-	-
A18.10.7.5. Troubleshoot system								-	-	-
A18.11. AUXILIARY POWER UNIT INDICATING SYSTEM										
A18.11.1. APU Exhaust Gas Temperature Indicating System TR: 1C-10(K)A-2-49, 1C-10(K)A-2-49FI-1 1C-10(K)A-2-110-49										
A18.11.1.1. Theory of Operation								-	-	-
A18.11.1.2. Perform inspection								-	-	-
A18.11.1.3. Perform operational checks								-	-	-
A18.11.1.4. Remove and install (R&I) Thermocouple Rake								-	-	-
A18.11.2. APU Tachometer Indicating System TR: 1C-10(K)A-2-49, 1C-10(K)A-2-49FI-1 1C-10(K)A-2-110-49										
A18.11.2.1. Theory of Operation								-	-	-
A18.11.2.2. Perform inspection								-	-	-
A18.11.2.3. Perform operational checks								-	-	-
A18.11.2.4. Remove and install (R&I) Monopole								-	-	-
A18.11.2.5. Troubleshoot system								-	-	-
A18.12. LIQUID QUANTITY INDICATING SYSTEMS										

KC-10 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)			
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A18.12.1. Fuel Quantity Indicating Systems TR: 1C-10(K)A-2-28, 1C-10(K)A-2-28FI -1, 1C-10(K)A-2-110-28											
A18.12.1.1. Theory of Operation								-	-	-	-
A18.12.1.2. Perform inspection								-	-	-	-
A18.12.1.3. Perform operational checks	*							-	-	-	-
A18.12.1.4. Remove and install (R&I)											
A18.12.1.4.1. Fuel Quantity Indicators	*							-	-	-	-
A18.12.1.4.2. Power Distribution Unit								-	-	-	-
A18.12.1.4.3. Fault Isolation Probe								-	-	-	-
A18.12.1.5. Troubleshoot system	*							-	-	-	-
A18.12.2. Engine Oil Quantity Indicating System TR: 1C-10(K)A-2-79, 1C-10(K)A-2-79FI -1, 1C-10(K)A-2-110-79											
A18.12.2.1. Theory of Operation								-	-	-	-
A18.12.2.2. Perform inspection								-	-	-	-
A18.12.2.3. Perform operational check								-	-	-	-
A18.12.2.4. Remove and install (R&I) Oil Quantity Transmitter								-	-	-	-
A18.12.2.5. Troubleshoot system								-	-	-	-
A18.12.3. APU Oil Quantity Indicating System TR: 1C-10(K)A-2-49, 1C-10(K)A-2-49FI -1, 1C-10(K)A-2-110-49											
A18.12.3.1. Theory of Operation								-	-	-	-
A18.12.3.2. Perform inspection								-	-	-	-
A18.12.3.3. Perform operational checks								-	-	-	-
A18.12.3.4. Remove and install (R&I) Oil Level Sensor								-	-	-	-
A18.12.3.5. Troubleshoot system								-	-	-	-

KC-10 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) Crse
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse
A18.12.4. Hydraulic Quantity Indicating System TR: 1C-10(K)A-2-29, 1C-10(K)A-2-29FI -1, 1C-10(K)A-2-110-29										
A18.12.4.1. Theory of Operation								-	-	-
A18.12.4.2. Perform inspection								-	-	-
A18.12.4.3. Perform operational checks								-	-	-
A18.12.4.4. Remove and install (R&I) Hydraulic Quantity Transmitter								-	-	-
A18.12.4.5. Adjust Hydraulic Quantity Transmitter								-	-	-
A18.12.4.6. Troubleshoot system								-	-	-
A18.13. MISCELLANEOUS SYSTEMS										
A18.13.1. Hydraulic Indicating Systems TR: 1C-10(K)A-2-29, 1C-10(K)A-2-29FI -1, 1C-10(K)A-2-110-29										
A18.13.1.1. Hydraulic Temperature Indicating System										
A18.13.1.1.1. Theory of Operation								-	-	-
A18.13.1.1.2. Perform inspection								-	-	-
A18.13.1.1.3. Perform operational checks								-	-	-
A18.13.1.1.4. Remove and install (R&I) Hydraulic Temperature Sensor								-	-	-
A18.13.1.1.5. Troubleshoot system								-	-	-
A18.13.1.2. Hydraulic Pressure Indicating System										
A18.13.1.2.1. Theory of Operation								-	-	-
A18.13.1.2.2. Perform inspection								-	-	-
A18.13.1.2.3. Perform operational checks								-	-	-
A18.13.1.2.4. Remove and install (R&I) Hydraulic Pressure Transmitter								-	-	-
A18.13.1.2.5. Troubleshoot system								-	-	-

KC-10 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1) Crse	(1) CDC	(1) Crse
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials			
A18.13.2. Brake Indicating Systems TR: 1C-10(K)A-2-32, 1C-10(K)A-2-32F I -1, 1C-10(K)A-2-110-32										
A18.13.2.1. Brake Temperature Indicating System										
A18.13.2.1.1. Theory of Operation								-	-	-
A18.13.2.1.2. Perform inspection								-	-	-
A18.13.2.1.3. Perform operational checks								-	-	-
A18.13.2.1.4. Remove and install (R&I) Brake Temperature Sensor								-	-	-
A18.13.2.1.5. Troubleshoot system								-	-	-
A18.13.2.2. Brake Pressure Indicating System										
A18.13.2.2.1. Theory of Operation								-	-	-
A18.13.2.2.2. Perform inspection								-	-	-
A18.13.2.2.3. Perform operational checks								-	-	-
A18.13.2.2.4. Remove and install (R&I) Brake Pressure Transmitter								-	-	-
A18.13.2.2.5. Troubleshoot system								-	-	-
A18.14. MISCELLANEOUS										
A18.14.1. Remove and install (R&I) Rack Mounted Equipment using Torque/Driver Knobs	*							-	-	-
A18.15. USE TEST EQUIPMENT TR: 1C-10(K)A-2-22, 1C-10(K)A-2-34, 1C-10(K)A-2-77										
A18.15.1. CADC Remote Test Set								-	-	-
A18.15.2. AT/SC Breakout Box								-	-	-
A18.15.3. LVDT Breakout Box								-	-	-
A18.15.4. Autopilot Failure Decoder								-	-	-
A18.15.5. N1 RPM Simulator								-	-	-
A18.15.6. N2 RPM Simulator								-	-	-

KC-10 TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A18.15.5. EGT Test Set								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC

ATTACHMENT 19 - AFSOC Training Requirements

NOTE 1: The apprentice course will use representative aircraft/trainers to accomplish the system specific training requirements as identified by the STS. The common section of the CFETP is used to code core competencies of the career field that will be taught in the apprentice course. The MDS specific attachments are to be used in conjunction with the common section to identify work center requirements and annotate qualifications.

NOTE 2: All course requirements are trained in the 3-level resident course during wartime. The 7-level in-residence course is not taught during wartime.

NOTE 3: Users are responsible for annotating training references to identify current references pending STS revision.

NOTE 4: Items marked in columns 2A or 2B marked with a */R are optional core tasks for ANG and AFRC.

NOTE 5: Items coded in column 4A will be trained using C-130 aircraft/systems. If C-130 aircraft/systems are unavailable, representative systems from other aircraft may be used.

NOTE 6: Address comments or recommended changes through the MAJCOM Functional Manager to the AETC Training Manager, at DSN 736-7891.

A19.1. C-130E ON-EQUIPMENT MAINTENANCE										
A19.1.1. GENERAL ORGANIZATIONAL MAINTENANCE										
A19.1.1.1. Aircraft Familiarization								-	-	-
A19.1.1.2. Major Structure Areas								-	-	-
A19.1.1.3. Major Systems								-	-	-
A19.1.2. GENERAL MAINTENANCE TASKS										
A19.1.2.1. Technical Order Familiarization								-	-	-
A19.1.2.2. Flightline Safety/Precautions/Security								-	-	-
A19.1.2.3. Ensure aircraft is safe for maintenance	*							-	-	-
A19.1.2.4. Inspect/Operation Portable External Power Units								-	-	-
A19.1.2.5. Inspect/use Ground Maintenance Sands								-	-	-
A19.1.2.6. Dropped Object Prevention Program (DOPP)								-	-	-
A19.1.2.7. Statically ground aircraft								-	-	-
A19.1.2.8. Apply/Disconnect External Electrical Power Unit	*							-	-	-
A19.1.2.9. Perform Aircraft Wash								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.1.2.10. Perform Refuel/Defuel Team Member Duties								-	-	-
A19.1.2.11. Open/Close Engine Cowling								-	-	-
A19.1.2.12. Remove and install (R&I) aircraft Maintenance Access Panels								-	-	-
A19.1.2.13. Perform Aircraft Marshaling Procedures								-	-	-
A19.1.2.14. Tow Aircraft								-	-	-
A19.1.2.15. Perform Wing/Tail Walker Duties								-	-	-
A19.1.2.16. Brake Operator								-	-	-
A19.1.2.17. Jacking Supervisor								-	-	-
A19.1.2.18. Jacking Team Member								-	-	-
A19.1.3. GENERAL FLIGHT CONTROLS										
A19.1.3.1. Flaps TR: 1C-130B-2-6										
A19.1.3.1.1. Adjust Transmitter								-	-	-
A19.1.3.2. E-4 Autopilot TR: 1C-130B-2-8										
A19.1.3.2.1. System Operation								-	-	-
A19.1.3.2.2. Perform operational check								-	-	-
A19.1.3.2.3. Remove and install (R&I) Components								-	-	-
A19.1.3.2.4. Troubleshoot system								-	-	-
A19.1.4. GENERAL NAVIGATION SYSTEMS										
A19.1.4.1. Air Force Standard Flight Director TR: 1C-130B-2-8, 1Cl-130(A)H-2-8										
A19.1.4.1.1. System Operation								-	-	-
A19.1.4.1.2. Perform operational check	*							-	-	-
A19.1.4.1.3. Remove and install (R&I) Components								-	-	-
A19.1.4.1.4. Troubleshoot system								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.1.4.2. N-1 Compass TR technical orders 1C-130B-2-8										
A19.1.4.2.1. System Operation								-	-	-
A19.1.4.2.2. Perform operational check								-	-	-
A19.1.4.2.3. Remove and install (R&I) Components								-	-	-
A19.1.4.2.4. Adjust (Balance) Amplifier								-	-	-
A19.1.4.2.5. Troubleshoot system								-	-	-
A19.1.4.3. C-12 Compass TR: 1C-130B-2-8, 1C-130(A)H-2-8										
A19.1.4.3.1. System Operation								-	-	-
A19.1.4.3.2. Perform operational check	*							-	-	-
A19.1.4.3.3. Remove and install (R&I) Components								-	-	-
A19.1.4.3.4. Perform Gyro Bias Adjustment								-	-	-
A19.1.4.3.5. Troubleshoot system								-	-	-
A19.1.4.4. Standby Compass TR: 1C-130B-2-6										
A19.1.4.4.1. System Operation								-	-	-
A19.1.4.4.2. Perform operational check								-	-	-
A19.1.4.4.3. Remove and install (R&I) Components								-	-	-
A19.1.4.4.4. Troubleshoot system								-	-	-
A19.1.4.5. Inertial Navigation System TR: 1C-130B-2-8										
A19.1.4.5.1. System Operation								-	-	-
A19.1.4.5.2. Perform operational check								-	-	-
A19.1.4.5.3. Remove and install (R&I) Components								-	-	-
A19.1.4.5.4. Troubleshoot system								-	-	-
A19.1.4.6. Periscopic Sextant TR: 1C-130B-2-6										

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.1.4.6.1. System Operation								-	-	-
A19.1.4.6.2. Perform operational check								-	-	-
A19.1.4.6.3. Remove and install (R&I) Components								-	-	-
A19.1.4.6.4. Troubleshoot system								-	-	-
A19.1.5. FLIGHT INSTRUMENTS										
A19.1.5.1. Free Air Temperature System TR: 1C-130B-2-6										
A19.1.5.1.1. System Operation								-	-	-
A19.1.5.1.2. Perform operational check								-	-	-
A19.1.5.1.3. Remove and install (R&I) Components								-	-	-
A19.1.5.1.4. Troubleshoot system								-	-	-
A19.1.6. DATA RECORDERS										
A19.1.6.1. Flight Data Recorder System TR: 1C-130B-2-8										
A19.1.6.1.1. System Operation								-	-	-
A19.1.6.1.2. Perform operational check								-	-	-
A19.1.6.1.3. Remove and install (R&I) Components								-	-	-
A19.1.6.1.4. Make High Speed Recordings								-	-	-
A19.1.6.1.5. Calibrate System Components								-	-	-
A19.1.6.1.6. Troubleshoot system								-	-	-
A19.1.7. ENGINE INDICATING SYSTEM										
A19.1.7.1. Turbine Inlet Temperature TR: 1C-130B-2-6, 1C-130(H)H-2-2										
A19.1.7.1.1. System Operation								-	-	-
A19.1.7.1.2. Perform operational check								-	-	-
A19.1.7.1.3. Remove and install (R&I) Components								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1 Crse	(1 CDC	(1 Crse
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	-	-	-
A19.1.7.1.4. Troubleshoot system										
A19.1.7.2. Oil Temperature TR: 1C-130B-2-6, 1C-130(H)H-2-2										
A19.1.7.2.1. System Operation								-	-	-
A19.1.7.2.2. Perform operational check								-	-	-
A19.1.7.2.3. Remove and install (R&I) Components								-	-	-
A19.1.7.2.4. Troubleshoot system								-	-	-
A19.1.7.3. Oil Pressure TR: 1C-130B-2-6, 1C-130(H)H-2-2										
A19.1.7.3.1. System Operation								-	-	-
A19.1.7.3.2. Perform operational check								-	-	-
A19.1.7.3.3. Remove and install (R&I) Components								-	-	-
A19.1.7.3.4. Adjust Transmitter								-	-	-
A19.1.7.3.5. Troubleshoot system								-	-	-
A19.1.7.4. Torque TR: 1C-130B-2-6, 1C-130(H)H-2-2										
A19.1.7.4.1. System Operation								-	-	-
A19.1.7.4.2. Perform operational check								-	-	-
A19.1.7.4.3. Remove and install (R&I) Components								-	-	-
A19.1.7.4.4. Calibrate Indicator								-	-	-
A19.1.7.4.5. Troubleshoot system								-	-	-
A19.1.8. LIQUID QUANTITY INDICATING SYSTEMS										
A19.1.8.1. Calibrate Analog Fuel Quantity Indicator TR: 1C-130B-2-5	*							-	-	-
A19.1.8.2. Calibrate Liquid Oxygen Quantity Indicator TR: 1C-130B-2-10								-	-	-
A19.1.8.3. Adjust Oil Quantity Transmitter TR: 1C-130B-2-6, 1C-130(H)H-2-2								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.1.9. HYDRAULIC INDICATING SYSTEM										
A19.1.9.1. Hydraulic Pressure Indicating System TR: 1C-130B-2-3 & 1C-130B-2-6										
A19.1.9.1.1. System Operation								-	-	-
A19.1.9.1.2. Perform operational check								-	-	-
A19.1.9.1.3. Remove and install (R&I) Components								-	-	-
A19.1.9.1.4. Adjust Transmitters								-	-	-
A19.1.9.1.5. Troubleshoot system								-	-	-
A19.1.10. MISCELLANEOUS SYSTEMS TR: 1C-130B-2-5										
A19.1.10.1. Fuel Pressure Indicating System										
A19.1.10.1.1. Manifold										
A19.1.10.1.1.1. System Operation								-	-	-
A19.1.10.1.1.2. Perform operational check								-	-	-
A19.1.10.1.1.3. Remove and install (R&I) Components								-	-	-
A19.1.10.1.1.4. Adjust Transmitters								-	-	-
A19.1.10.1.1.5. Troubleshoot system								-	-	-
A19.1.10.2. Universal Air Refueling Receptacle Slipway Installation										
A19.1.10.2.1. System Operation								-	-	-
A19.1.10.2.2. Perform operational check								-	-	-
A19.1.10.2.3. Remove and install (R&I) Components								-	-	-
A19.1.10.2.4. Adjust Transmitters								-	-	-
A19.1.10.2.5. Troubleshoot system								-	-	-
A19.2. AC-130H ON-EQUIPMENT MAINTENANCE										

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.2.1. GENERAL ORGANIZATIONAL MAINTENANCE										
A19.2.1.1. Aircraft Familiarization								-	-	-
A19.2.1.2. Major Structure Areas								-	-	-
A19.2.1.3. Major Systems								-	-	-
A19.2.2. GENERAL MAINTENANCE TASKS										
A19.2.2.1. Technical Order Familiarization								-	-	-
A19.2.2.2. Flightline Safety/Precautions/Security								-	-	-
A19.2.2.3. Ensure aircraft is safe for maintenance	*							-	-	-
A19.2.2.4. Inspect/Operation Portable External Power Units								-	-	-
A19.2.2.5. Inspect/Use Ground Maintenance Stands								-	-	-
A19.2.2.6. Dropped Object Prevention Program (DOPP)								-	-	-
A19.2.2.7. Statically Ground Aircraft								-	-	-
A19.2.2.8. Apply/Disconnect External Electrical Power Unit	*							-	-	-
A19.2.2.9. Perform Aircraft Wash								-	-	-
A19.2.2.10. Perform Refuel/Defuel Team Member Duties								-	-	-
A19.2.2.11. Open/Close Engine Cowling								-	-	-
A19.2.2.12. Remove and install (R&I) Aircraft Maintenance Access Panels								-	-	-
A19.2.2.13. Perform Aircraft Marshaling Procedures								-	-	-
A19.2.2.14. Tow Aircraft								-	-	-
A19.2.2.15. Perform Wing/Tail Walkers Duties								-	-	-
A19.2.2.16. Brake Operator								-	-	-
A19.2.2.17. Jacking Supervisor								-	-	-
A19.2.2.18. Jacking Team Member								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.2.3. GENERAL FLIGHT CONTROLS										
A19.2.3.1. Flaps TR: 1C-130B-2-6										
A19.2.3.1.1. Adjust Transmitter								-	-	-
A19.2.3.2. AN/AYW-1(V)1 Digital Autopilot TR: 1C-130(A)H-2-8										
A19.2.3.2.1. System Operation								-	-	-
A19.2.3.2.2. Perform operational check	*							-	-	-
A19.2.3.2.3. Remove and install (R&I) Components								-	-	-
A19.2.3.2.4. Troubleshoot system								-	-	-
A19.2.3.3. Autopilot Signal Switching TR: 1C-130(A)H-2-8										
A19.2.3.3.1. System Operation								-	-	-
A19.2.3.3.2. Perform operational check								-	-	-
A19.2.3.3.4. Remove and install (R&I) Components								-	-	-
A19.2.3.3.5. Troubleshoot system								-	-	-
A19.2.4. GENERAL NAVIGATION SYSTEMS										
A19.2.4.1. Air Force Standard Flight Director TR: 1C-130B-2-8, 1C-130(A)H-2-8										
A19.2.4.1.1. System Operation								-	-	-
A19.2.4.1.2. Perform operational check	*							-	-	-
A19.2.4.1.3. Remove and install (R&I) Components								-	-	-
A19.2.4.1.4. Troubleshoot system								-	-	-
A19.2.4.2. C-12 Compass TR: 1C-130B-2-8, 1C-130(A)H-2-8										
A19.2.4.2.1. System Operation								-	-	-
A19.2.4.2.2. Perform operational check	*							-	-	-
A19.2.4.2.3. Remove and install (R&I) Components								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.2.4.2.4. Perform Gyro Bias Adjustment								-	-	-
A19.2.4.2.5. Troubleshoot system								-	-	-
A19.2.4.3. Standby Compass TR: 1C-130B-2-6										
A19.2.4.3.1. System Operation								-	-	-
A19.2.4.3.2. Perform operational check								-	-	-
A19.2.4.3.3. Remove and install (R&I) Components								-	-	-
A19.2.4.3.4. Troubleshoot system								-	-	-
A19.2.4.4. SKN-2443 Inertial Navigation System TR: 1C-130(A)H-2-8										
A19.2.4.4.1. System Operation								-	-	-
A19.2.4.4.2. Perform operational check								-	-	-
A19.2.4.4.3. Remove and install (R&I) Components								-	-	-
A19.2.4.4.4. Troubleshoot system								-	-	-
A19.2.4.5. Periscopic Sextant TR: 1C-130B-2-6										
A19.2.4.5.1. System Operation								-	-	-
A19.2.4.5.2. Perform operational check								-	-	-
A19.2.4.5.3. Remove and install (R&I) Components								-	-	-
A19.2.4.5.4. Troubleshoot system								-	-	-
A19.2.5. FLIGHT INSTRUMENTS										
A19.2.5.1. Pitot/Static TR: 1C-130(A)H-2-6										
A19.2.5.1.1. Remove and install (R&I) Wing Tip Static Booms								-	-	-
A19.2.5.2. Free Air Temperature System TR: 1C-130B-2-6										
A19.2.5.2.1. System Operation								-	-	-
A19.2.5.2.2. Perform operational check								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.2.5.2.3. Remove and install (R&I) Components								-	-	-
A19.2.5.2.4. Troubleshoot system								-	-	-
A19.2.6. DATA RECORDERS										
A19.2.6.1. Flight Data Recorder System TR: 1C-130B-2-8										
A19.2.6.1.1. System Operation								-	-	-
A19.2.6.1.2. Perform operational check								-	-	-
A19.2.6.1.3. Remove and install (R&I) Components								-	-	-
A19.2.6.1.4. Make High Speed Recordings								-	-	-
A19.2.6.1.5. Calibrate System Components								-	-	-
A19.2.6.1.6. Troubleshoot system								-	-	-
A19.2.7. WARNING SYSTEMS										
A19.2.7.1. AN/ASN-167(V)1 Ground Collision Avoidance System TR: 1C-130(A)H-2-8										
A19.2.7.1.1. System Operation								-	-	-
A19.2.7.1.2. Perform operational check	*							-	-	-
A19.2.7.1.3. Troubleshoot system								-	-	-
A19.2.8. ENGINE INDICATING SYSTEM										
A19.2.8.1. Turbine Inlet Temperature TR: 1C-130B-2-6, 1C-130(H)H-2-2										
A19.2.8.1.1. System Operation								-	-	-
A19.2.8.1.2. Perform operational check								-	-	-
A19.2.8.1.3. Remove and install (R&I) Components								-	-	-
A19.2.8.1.4. Troubleshoot system								-	-	-
A19.2.8.2. Oil Temperature TR: 1C-130B-2-6, 1C-130(H)H-2-2										
A19.2.8.2.1. System Operation								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.2.8.2.2. Perform operational check								-	-	-
A19.2.8.2.3. Remove and install (R&I) Components								-	-	-
A19.2.8.2.4. Troubleshoot system								-	-	-
A19.2.8.3. Oil Pressure TR: 1C-130B-2-6, 1C-130(H)H-2-2										
A19.2.8.3.1. System Operation								-	-	-
A19.2.8.3.2. Perform operational check								-	-	-
A19.2.8.3.3. Adjust Transmitter								-	-	-
A19.2.8.3.4. Remove and install (R&I) Components								-	-	-
A19.2.8.3.5. Troubleshoot system								-	-	-
A19.2.8.4. Torque TR: 1C-130B-2-6, 1C-130(H)H-2-2										
A19.2.8.4.1. System Operation								-	-	-
A19.2.8.4.2. Perform operational check								-	-	-
A19.2.8.4.3. Calibrate Indicator								-	-	-
A19.2.8.4.4. Remove and install (R&I) Components								-	-	-
A19.2.8.4.5. Troubleshoot system								-	-	-
A19.2.9. LIQUID QUANTITY INDICATION SYSTEMS										
A19.2.9.1. Calibrate Analog Fuel Quantity Indicator TR: 1C-130B-2-5	*							-	-	-
A19.2.9.2. Calibrate Liquid Oxygen Quantity Indicator TR: 1C-130B-2-10								-	-	-
A19.2.9.3. Adjust Oil Quantity Transmitter TR: 1C-130B-2-6, 1C-130(H)H-2-2								-	-	-
A19.2.10. HYDRAULIC INDICATING SYSTEM										
A19.2.10.1. Hydraulic Pressure Indicating System TR: 1C-130B-2-3 & 1C-130B-2-6										
A19.2.10.1.. System Operation								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.2.10.1.2. Perform operational check								-	-	-
A19.2.10.1.3. Remove and install (R&I) Components								-	-	-
A19.2.10.1.4. Adjust Transmitters								-	-	-
A19.2.10.1.5. Troubleshoot system								-	-	-
A19.2.11. MISCELLANEOUS SYSTEMS										
A19.2.11.1. Fuel Pressure Indicating System										
A19.2.11.1.1. Manifold TR: 1C-130B-2-5										
A19.2.11.1.1.1. System Operation								-	-	-
A19.2.11.1.1.2. Perform operational check								-	-	-
A19.2.11.1.1.3. Remove and install (R&I) Components								-	-	-
A19.2.11.1.1.4. Adjust Transmitters								-	-	-
A19.2.11.1.1.5. Troubleshoot system								-	-	-
A19.2.11.2. Universal Air Refueling Receptacle Slipway Installation TR: 1C-130B-2-5										
A19.2.11.2.1. System Operation								-	-	-
A19.2.11.2.2. Perform operational check								-	-	-
A19.2.11.2.3. Remove and install (R&I) Components								-	-	-
A19.2.11.2.4. Adjust Transmitters								-	-	-
A19.2.11.2.5. Troubleshoot system								-	-	-
A19.2.11.3. Fire Control/Mission Computer Systems										
A19.2.11.3.1. Heads-Up Display System TR: 1C-130(A)H-2-14										
A19.2.11.3.1.1. System Operation								-	-	-
A19.2.11.3.1.2. Perform operational check								-	-	-
A19.2.11.3.1.3. Remove and install (R&I)										

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.2.11.3.1.3.1. Heads-Up Display								-	-	-
A19.2.11.3.1.3.2. Heads-Up Display Mount								-	-	-
A19.2.11.3.1.3.3. Other Components								-	-	-
A19.2.11.3.1.4. Perform HUD Mount Boresight								-	-	-
A19.2.11.3.1.5. Troubleshoot system								-	-	-
A19.2.11.3.2. Mission Computer System TR: 1C-130(A)H-2-14										
A19.2.11.3.2.1. System Operation								-	-	-
A19.2.11.3.2.2. Perform operational check	*							-	-	-
A19.2.11.3.2.3. Remove and install (R&I)										
A19.2.11.3.2.3.1. Mission Computer Junction Box								-	-	-
A19.2.11.3.2.3.2. Mission Computer								-	-	-
A19.2.11.3.2.3.3. Other Components								-	-	-
A19.2.11.3.2.4. Perform Trainable Gun Boresight								-	-	-
A19.2.11.3.2.5. Perform Trainable Weapons Check	*							-	-	-
A19.2.11.3.2.6. Perform Software Upload	*							-	-	-
A19.2.11.3.2.7. Troubleshoot system								-	-	-
A19.2.11.3.3. Sensor Slaving System TR: 1C-130(A)H-2-14										
A19.2.11.3.3.1. System Operation								-	-	-
A19.2.11.3.3.2. Perform operational check								-	-	-
A19.2.11.3.3.3. Remove and install (R&I) Component								-	-	-
A19.2.11.3.3.4. Troubleshoot system								-	-	-
A19.2.11.3.4. Air Data Measurement System TR: 1C-130(A)H-2-14										
A19.2.11.3.4.1. System Operation								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.2.11.3.4.2. Perform operational check	*							-	-	-
A19.2.11.3.4.3. Remove and install (R&I)										
A19.2.11.3.4.3.1. Air Data Boom								-	-	-
A19.2.11.3.4.3.2. Pressure Manifold								-	-	-
A19.2.11.3.4.3.3. Other Components								-	-	-
A19.2.11.3.4.4. Troubleshoot system								-	-	-
A19.2.11.3.5. AN/ASQ-145(V)2 Low Light Level Television Sensor System TR: 1C-130(A)H-2-14										
A19.2.11.3.5.1. System Operation								-	-	-
A19.2.11.3.6. AN/AAQ-17/17E Infrared Detection System TR: 1C-130(A)H-2-14										
A19.2.11.3.6.1. System Operation								-	-	-
A19.2.11.3.7. AN/AAQ-26 Infrared Detection System TR: 1C-130(A)H-2-14										
A19.2.11.3.7.1. System Operation								-	-	-
A19.3. AC-130U ON-EQUIPMENT MAINTENANCE										
A19.3.1. GENERAL ORGANIZATIONAL MAINTENANCE										
A19.3.1.1. Aircraft Familiarization								-	-	-
A19.3.1.2. Major Structure Areas								-	-	-
A19.3.1.3. Major Systems								-	-	-
A19.3.2. GENERAL MAINTENANCE TASKS										
A19.3.2.1. Technical order familiarization								-	-	-
A19.3.2.2. Flightline Safety/Precautions/Security								-	-	-
A19.3.2.3. Ensure aircraft is safe for maintenance	*							-	-	-
A19.3.2.4. Inspect/Operation Portable External Power Units								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.3.2.5. Inspect/Use Ground Maintenance Stands								-	-	-
A19.3.2.6. Dropped Object Prevention Program (DOPP)								-	-	-
A19.3.2.7. Statically Ground Aircraft								-	-	-
A19.3.2.8. Apply/Disconnect External Electrical Power Unit	*							-	-	-
A19.3.2.9. Perform Aircraft Wash								-	-	-
A19.3.2.10. Perform Refuel/Defuel Team Member Duties								-	-	-
A19.3.2.11. Open/Close Engine Cowling								-	-	-
A19.3.2.12. Remove and install (R&I) aircraft Maintenance Access Panels								-	-	-
A19.3.2.13. Perform Aircraft Marshaling Procedures								-	-	-
A19.3.2.14. Tow Aircraft								-	-	-
A19.3.2.15. Perform Wing/Tail Walkers Duties								-	-	-
A19.3.2.16. Brake Operator								-	-	-
A19.3.2.17. Jacking Supervisor								-	-	-
A19.3.2.18. Jacking Team Member								-	-	-
A19.3.2.19. Open/Close Nose Radome	*							-	-	-
A19.3.2.20. Apply Cooling Air to Aircraft								-	-	-
A19.3.2.21. Alternate Method of Applying Cooling Air (APU Exhaust with -95 cart)								-	-	-
A19.3.3. GENERAL FLIGHT CONTROLS										
A19.3.3.1. Flap Indication System TR: 1C-130H-2-9										
A19.3.3.1.1. Adjust Flap Transmitter								-	-	-
A19.3.3.2. Trim Indication System TR: 1C-130H-2-9										
A19.3.3.2.1. Adjust Transmitters								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.3.3.3. FCS-105 Flight Director System TR: 1C-130(A)U-2-8										
A19.3.3.3.1. System Operation								-	-	-
A19.3.3.3.2. Perform operational check								-	-	-
A19.3.3.3.3. Remove and install (R&I)										
A19.3.3.3.3.1. Servo Motor								-	-	-
A19.3.3.3.3.2. Drum & Bracket Assembly								-	-	-
A19.3.3.3.3.3. Other Components								-	-	-
A19.3.3.3.4. Troubleshoot system								-	-	-
A19.3.4. GENERAL NAVIGATION SYSTEMS										
A19.3.4.1. C-12 Compass System TR: 1C-130(A)U-2-8										
A19.3.4.1.1. System Operation								-	-	-
A19.3.4.1.2. Perform operational check	*							-	-	-
A19.3.4.1.3. Remove and install (R&I) Components								-	-	-
A19.3.4.1.4. Remove and install (R&I) Flux Valve								-	-	-
A19.3.4.1.5. Perform Gyro Bias Adjustment								-	-	-
A19.3.4.1.6. Troubleshoot system								-	-	-
A19.3.4.2. Standby Compass System TR: 1C-130H-2-6										
A19.3.4.2.1. Perform operational check								-	-	-
A19.3.4.2.2. Remove and install (R&I) Standby Compass								-	-	-
A19.3.4.2.3. Adjust Standby Compass								-	-	-
A19.3.4.3. Inertial Navigation System TR: 1C-130(A)U-2-8										
A19.3.4.3.1. System Operation								-	-	-
A19.3.4.3.2. Perform operational check	*							-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.3.4.3.3. Remove and install (R&I)										
A19.3.4.3.3.1. INU Diode Module	*							-	-	-
A19.3.4.3.3.2. Other Components								-	-	-
A19.3.4.3.4. Troubleshoot system								-	-	-
A19.3.5. FLIGHT INSTRUMENTS										
A19.3.5.1. Free Air Temperature System TR: 1C-130H-2-6										
A19.3.5.1.1. System Operation								-	-	-
A19.3.5.1.2. Perform operational check								-	-	-
A19.3.5.1.3. Remove and install (R&I) Components								-	-	-
A19.3.5.1.4. Troubleshoot system								-	-	-
A19.3.6. ENGINE INDICATING SYSTEM										
A19.3.6.1. Torque Indication System TR: 1C-130H-2-4										
A19.3.6.1.1. Calibrate Indicator								-	-	-
A19.3.7. LIQUID QUANTITY										
A19.3.7.1. Digital Fuel Quantity System										
A19.3.7.1.1. Remove and install (R&I) Externally Mounted Probes								-	-	-
A19.3.7.1.2. Calibrate Indicator	*							-	-	-
A19.3.7.2. Liquid Oxygen Indicating System										
A19.3.7.2.1. Calibrate Indicator								-	-	-
A19.3.7.3. Oil Quantity System TR: 1C-130H-2-4										
A19.3.7.3.1. Remove and install (R&I) Oil Quantity Transmitter								-	-	-
A19.3.8. HYDRAULIC INDICATING SYSTEM										
A19.3.8.1. Hydraulic Pressure Indicating System TR: 1C-130H-2-3										

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.3.8.1.1. System Operation								-	-	-
A19.3.8.1.2. Perform operational check								-	-	-
A19.3.8.1.3. Remove and install (R&I) Components								-	-	-
A19.3.8.1.4. Adjust Transmitters								-	-	-
A19.3.8.1.5. Troubleshoot system								-	-	-
A19.3.9. MISCELLANEOUS SYSTEMS										
A19.3.9.1. Fuel Tank Manifold Pressure Indicating Systems TR: 1C-130H-2-5/1C-130(A)U-2-5										
A19.3.9.1.1. System Operation								-	-	-
A19.3.9.1.2. Perform operational check								-	-	-
A19.3.9.1.3. Remove and install (R&I) Components								-	-	-
A19.3.9.1.4. Adjust Transmitters								-	-	-
A19.3.9.1.5. Troubleshoot system								-	-	-
A19.3.9.2. Universal Air Refueling Receptacle Slipway Installation TR: 1C-130H-2-5 & 1C-130(A)U-2-5										
A19.3.9.2.1. System Operation								-	-	-
A19.3.9.2.2. Perform operational check								-	-	-
A19.3.9.2.3. Remove and install (R&I) Components								-	-	-
A19.3.9.2.4. Adjust Transmitters								-	-	-
A19.3.9.2.5. Troubleshoot system								-	-	-
A19.3.9.3. Fire Control/Mission Computer Systems TR: 1C-130(A)U-2-8										
A19.3.9.3.1. System Operation								-	-	-
A19.3.9.3.2. Perform operational check	*							-	-	-
A19.3.9.3.3. Remove and install (R&I) Components								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.3.9.3.4. Perform Software Up (OFP/CDP)	*							-	-	-
A19.3.9.3.5. Perform Trainable Weapons Check	*							-	-	-
A19.3.9.3.6. Troubleshoot system								-	-	-
A19.3.9.4. Display Generator System TR: 1C-130(A)U-2-8										
A19.3.9.4.1. System Operation								-	-	-
A19.3.9.4.2. Perform operational check								-	-	-
A19.3.9.4.3. Remove and install (R&I) Components								-	-	-
A19.3.9.4.4. Troubleshoot system								-	-	-
A19.4. MC-130E ON-EQUIPMENT MAINTENANCE										
A19.4.1. GENERAL ORGANIZATIONAL MAINTENANCE										
A19.4.1.1. Aircraft Familiarization								-	-	-
A19.4.1.2. Major Structure Areas								-	-	-
A19.4.1.3. Major Systems								-	-	-
A19.4.2. GENERAL MAINTENANCE TASKS										
A19.4.2.1. Technical Order familiarization								-	-	-
A19.4.2.2. Flightline Safety/Precautions/Security								-	-	-
A19.4.2.3. Ensure aircraft is safe for maintenance	*							-	-	-
A19.4.2.4. Inspect/Operation Portable External Power Units								-	-	-
A19.4.2.5. Inspect/Use Ground Maintenance Stands								-	-	-
A19.4.2.6. Dropped Object Prevention Program (DOPP)								-	-	-
A19.4.2.7. Statically Ground Aircraft								-	-	-
A19.4.2.8. Apply/Disconnect External Electrical Power Unit	*							-	-	-
A19.4.2.9. Perform Aircraft Wash								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.4.2.10. Perform Refuel/Defuel Team Member Duties								-	-	-
A19.4.2.11. Open/Close Engine Cowling								-	-	-
A19.4.2.12. Remove and install (R&I) aircraft Maintenance Access Panels								-	-	-
A19.4.2.13. Perform Aircraft Marshaling Procedures								-	-	-
A19.4.2.14. Tow Aircraft								-	-	-
A19.4.2.15. Perform Wing/Tail Walkers Duties								-	-	-
A19.4.2.16. Brake Operator								-	-	-
A19.4.2.17. Jacking Supervisor								-	-	-
A19.4.2.18. Jacking Team Member								-	-	-
A19.4.3. GENERAL FLIGHT CONTROLS										
A19.4.3.1. Position Indicating System TR: 1C-130B-2-6										
A19.4.3.1.1. Perform Adjustment/Calibration								-	-	-
A19.4.3.2. E-4 Autopilot System TR: 1C-130H-2-22JG-10-1-1										
A19.4.3.2.1. System Operation								-	-	-
A19.4.3.2.2. Perform operational check								-	-	-
A19.4.3.2.3. Remove and install (R&I)								-	-	-
A19.4.3.2.3.1. Servo Motor								-	-	-
A19.4.3.2.3.2. Drum & Bracket Assembly								-	-	-
A19.4.3.2.4. Troubleshoot system								-	-	-
A19.4.3.3. AN/AYW-1-(1 Digital Autopilot System TR: 1C-130(M)E-2-22JG-10-2										
A19.4.3.3.1. System Operation								-	-	-
A19.4.3.3.2. Perform operational check	*							-	-	-
A19.4.3.3.3. Remove and install (R&I)										

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.4.3.3.1. Servo Motor								-	-	-
A19.4.3.3.2. Drum & Bracket Assembly								-	-	-
A19.4.3.3.4. Troubleshoot system								-	-	-
A19.4.4. GENERAL NAVIGATION SYSTEMS										
A19.4.4.1. Flight Director System TR: 1C-130B-2-8, 1C-130(H)H-2-11										
A19.4.4.1.1. System Operation								-	-	-
A19.4.4.1.2. Perform operational check								-	-	-
A19.4.4.1.3. Remove and install (R&I) Components								-	-	-
A19.4.4.1.4. Troubleshoot system								-	-	-
A19.4.4.2. C-12 Compass System TR: 1C-130B-2-8, 1C-30(H)H-2-11										
A19.4.4.2.1. System Operation								-	-	-
A19.4.4.2.2. Perform operational check	*							-	-	-
A19.4.4.2.3. Remove and install (R&I) Components								-	-	-
A19.4.4.2.4. Perform Gyro Drift Bias Adjustment								-	-	-
A19.4.4.2.5. Perform Compass Calibration Using MC-2000								-	-	-
A19.4.4.2.6. Troubleshoot system								-	-	-
A19.4.4.3. Standby Compass System TR: 1C-130B-2-6										
A19.4.4.3.1. Remove and install (R&I) Components								-	-	-
A19.4.4.3.2. Perform Standby Compass System Compensation								-	-	-
A19.4.4.3.3. Troubleshoot system								-	-	-
A19.4.4.4. Computer Aided Navigation System TR: 1C-130(M)E-2-8, 1C-130(M)E-2-46JG-20-1										
A19.4.4.4.1. System Operation								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.4.4.4.2. Perform operational check	*							-	-	-
A19.4.4.4.3. Remove and install (R&I)										
A19.4.4.4.3.1. Mission Computer								-	-	-
A19.4.4.4.3.2. Other Components								-	-	-
A19.4.4.4.4. Perform Ground Speed Amp Adjustment								-	-	-
A19.4.4.4.5. Perform Software Upload	*							-	-	-
A19.4.4.4.6. Troubleshoot system								-	-	-
A19.4.4.5. Periscopic Sextant TR: 1C-130B-2-6										
A19.4.4.5.1. System Operation								-	-	-
A19.4.4.5.2. Perform operational check								-	-	-
A19.4.4.5.3. Remove and install (R&I) Components								-	-	-
A19.4.4.5.4. Perform Adjustment/Calibration								-	-	-
A19.4.4.5.5. Troubleshoot system								-	-	-
A19.4.5. FLIGHT INSTRUMENTS										
A19.4.5.1. Air Temperature Indicating System TR: 1C-130B-2-6										
A19.4.5.1.1. System Operation								-	-	-
A19.4.5.1.2. Perform operational check								-	-	-
A19.4.5.1.3. Remove and install (R&I) Components								-	-	-
A19.4.5.1.4. Troubleshoot system								-	-	-
A19.4.5.2. NVG/HUD System TR: 1C-130(M)E-2-8, 1C-130(M)E-2-46JG-20-1 Section 1-1-18										
A19.4.5.2.1. System Operation								-	-	-
A19.4.5.2.2. Perform operational check								-	-	-
A19.4.5.2.3. Remove and install (R&I) Components								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.4.5.2.4. Troubleshoot system								-	-	-
A19.4.6. AIR DATA SYSTEMS										
A19.4.6.1. Air Data Computer System TR: 1C-130(M)E-2-8, 1C-130(M)E-2-34JG-10-1										
A19.4.6.1.1. System Operation								-	-	-
A19.4.6.1.2. Perform operational check	*							-	-	-
A19.4.6.1.3. Remove and install (R&I) Components								-	-	-
A19.4.6.1.4. Troubleshoot system								-	-	-
A19.4.7. DATA RECORDERS										
A19.4.7.1. Flight Data Recorder System TR: 1C-130B-2-6, 1C-130(H)H-2-5										
A19.4.7.1.1. System Operation								-	-	-
A19.4.7.1.2. Perform operational check								-	-	-
A19.4.7.1.3. Remove and install (R&I) Components								-	-	-
A19.4.7.1.4. Make High Speed Recordings								-	-	-
A19.4.7.1.5. Calibrate System Components								-	-	-
A19.4.7.1.6. Troubleshoot system								-	-	-
A19.4.8. WARNING SYSTEMS										
A19.4.8.1. AN/ASN-167 Ground Collision Avoidance System (GCAS) TR: 1C-130H-2-34JG-40-5										
A19.4.8.1.1. System Operation								-	-	-
A19.4.8.1.2. Perform operational check	*							-	-	-
A19.4.8.1.3. Remove and install (R&I) Components								-	-	-
A19.4.8.1.4. Troubleshoot system								-	-	-
A19.4.9. ENGINE INDICATING SYSTEM										

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.4.9.1. Torque Indicating System TR: 1C-130(M)E-2-77JG-00-1										
A19.4.9.1.1. System Operation								-	-	-
A19.4.9.1.2. Perform operational check								-	-	-
A19.4.9.1.3. Remove and install (R&I) Components								-	-	-
A19.4.9.1.4. Perform Adjustment/Calibration								-	-	-
A19.4.9.1.5. Troubleshoot system								-	-	-
A19.4.9.2. Oil Temperature Indicting System TR: 1C-130B-2-6										
A19.4.9.2.1. System Operation								-	-	-
A19.4.9.2.2. Perform operational check								-	-	-
A19.4.9.2.3. Remove and install (R&I) Components								-	-	-
A19.4.9.2.4. Troubleshoot system								-	-	-
A19.4.9.3. Oil Cooler Flap Indicating System TR: 1C-130B-2-6										
A19.4.9.3.1. System Operation								-	-	-
A19.4.9.3.2. Perform operational check								-	-	-
A19.4.9.3.3. Remove and install (R&I) Components								-	-	-
A19.4.9.3.4. Perform Adjustment/Calibration								-	-	-
A19.4.9.3.5. Troubleshoot system								-	-	-
A19.4.10. LIQUID QUANTITY										
A19.4.10.1. Analog Fuel Quantity System TR: 1C-130B-2-5, 1C-130(H)H-2-6										
A19.4.10.1.1. System Operation								-	-	-
A19.4.10.1.2. Perform operational check								-	-	-
A19.4.10.1.3. Remove and install (R&I) Components								-	-	-
A19.4.10.1.4. Perform Fuel Quantity Calibration	*							-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.4.10.1.5. Troubleshoot system								-	-	-
A19.4.10.2. Oil Quantity Indicating System TR: 1C-130B-2-6										
A19.4.10.2.1. System Operation								-	-	-
A19.4.10.2.2. Perform operational check								-	-	-
A19.4.10.2.3. Remove and install (R&I) Components								-	-	-
A19.4.10.2.4. Perform Adjustment/Calibration								-	-	-
A19.4.10.2.5. Troubleshoot system								-	-	-
A19.4.11. HYDRAULIC INDICATING SYSTEM										
A19.4.11.1. Hydraulic Pressure Indicating System TR: 1C-130B-2-6										
A19.4.11.1.1. System Operation								-	-	-
A19.4.11.1.2. Perform operational check								-	-	-
A19.4.11.1.3. Remove and install (R&I) Components								-	-	-
A19.4.11.1.4. Perform Adjustment/Calibration								-	-	-
A19.4.11.1.5. Troubleshoot system								-	-	-
A19.4.12. MISCELLANEOUS SYSTEMS										
A19.4.12.1. Fuel Pressure Indicating System TR: 1C-130B-2-6										
A19.4.12.1.1. System Operation								-	-	-
A19.4.12.1.2. Perform operational check								-	-	-
A19.4.12.1.3. Remove and install (R&I) Components								-	-	-
A19.4.12.1.4. Perform Adjustment/Calibration								-	-	-
A19.4.12.1.5. Troubleshoot system								-	-	-
A19.4.12.2. In-Flight Refueling Fuel Flow Indicating System TR: 1C-130(M)E-2-15										
A19.4.12.2.1. System Operation								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.4.12.2.2. Perform operational check								-	-	-
A19.4.12.2.3. Remove and install (R&I) Components								-	-	-
A19.4.12.2.4. Troubleshoot system								-	-	-
A19.4.12.3. In-Flight Refueling Fuel Pressure Indicating System TR: 1C-130(M)E-2-15										
A19.4.12.3.1. System Operation								-	-	-
A19.4.12.3.2. Perform operational check								-	-	-
A19.4.12.3.3. Remove and install (R&I) Components								-	-	-
A19.4.12.3.4. Perform Adjustment/Calibration								-	-	-
A19.4.12.3.5. Troubleshoot system								-	-	-
A19.4.12.4. High Speed Low Level ADS System TR: 1C-130(M)E-2-46JG-20-1										
A19.4.12.4.1. System Operation								-	-	-
A19.4.12.4.2. Perform operational check	*							-	-	-
A19.4.12.4.3. Remove and install (R&I) Components								-	-	-
A19.4.12.4.4. Troubleshoot system								-	-	-
A19.5. MC-130H ON-EQUIPMENT MAINTENANCE										
A19.5.1. GENERAL ORGANIZATIONAL MAINTENANCE										
A19.5.1.1. Aircraft Familiarization								-	-	-
A19.5.1.2. Major Structure Areas								-	-	-
A19.5.1.3. Major Systems								-	-	-
A19.5.2. GENERAL MAINTENANCE TASKS										
A19.5.2.1. Technical Order Familiarization								-	-	-
A19.5.2.2. Flightline Safety/Precautions/Security								-	-	-
A19.5.2.3. Ensure aircraft is safe for maintenance	*							-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.5.2.4. Inspect/Operation Portable External Power Units								-	-	-
A19.5.2.5. Inspect/Use Ground Maintenance Stands								-	-	-
A19.5.2.6. Dropped Object Prevention Program (DOPP)								-	-	-
A19.5.2.7. Statically Ground Aircraft								-	-	-
A19.5.2.8. Apply/Disconnect External Electrical Power Unit	*							-	-	-
A19.5.2.9. Perform Aircraft Wash								-	-	-
A19.5.2.10. Perform Refuel/Defuel Team Member Duties								-	-	-
A19.5.2.11. Open/Close Engine Cowling								-	-	-
A19.5.2.12. Remove and install (R&I) aircraft Maintenance Access Panels								-	-	-
A19.5.2.13. Perform Aircraft Marshaling Procedures								-	-	-
A19.5.2.14. Tow Aircraft								-	-	-
A19.5.2.15. Perform Wing/Tail Walkers Duties								-	-	-
A19.5.2.16. Brake Operator								-	-	-
A19.5.2.17. Jacking Supervisor								-	-	-
A19.5.2.18. Jacking Team Member								-	-	-
A19.5.3. GENERAL FLIGHT CONTROLS										
A19.5.3.1. Position Indicating System TR: 1C-130H-2-9, GS/JG: 1C-130H-2-27JG-20-2, 27JG-30-2										
A19.5.3.1.1. Remove and install (R&I) Components								-	-	-
A19.5.3.1.2. Adjust Flap Position Transmitter								-	-	-
A19.5.3.2. Automatic Flight Control Systems TR: 1C-130(M)H-2-8										
A19.5.3.2.1. System Tie-in and Integration								-	-	-
A19.5.3.2.2. Perform operational check	*							-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.5.3.2.3. Remove and install (R&I) Components								-	-	-
A19.5.3.2.4. Troubleshoot system								-	-	-
A19.5.4. GENERAL COMPUTER COMPLEX										
A19.5.4.1. Controls and Display Systems TR: 1C-130(M)H-2-8, GS/JG, 1C -130(M)H-2-46GS-00-1, 1C-130(M)H-2 -46JG-30-1										
A19.5.4.1.1. Load Control Display Computer SFP	*							-	-	-
A19.5.4.1.2. Perform inspection								-	-	-
A19.5.4.1.3. Remove and install (R&I)										
A19.5.4.1.3.1. Cursor Switch								-	-	-
A19.5.4.1.3.2. Other Components								-	-	-
A19.5.4.1.4. Troubleshoot system								-	-	-
A19.5.4.2. Mission Data Processing System TR: 1C-130(M)H-2-8, GS/JG: 1C -130(M)H-2-46GS-00-1, 1C-130(M)H-2 -46JG-20-1										
A19.5.4.2.1. Theory of Operation								-	-	-
A19.5.4.2.2. System Tie-in/Integration								-	-	-
A19.5.4.2.3. Perform inspection								-	-	-
A19.5.4.2.4. Perform operational checks	*							-	-	-
A19.5.4.2.5. Remove and install (R&I) Components								-	-	-
A19.5.4.2.6. Adjust Control Column Sensor								-	-	-
A19.5.4.2.7. Load Mission Computer OFP Using DTS	*							-	-	-
A19.5.4.2.8. Troubleshoot system								-	-	-
A19.5.5. GENERAL NAVIGATION SYSTEM										

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.5.5.1. Flight Director Indicating System TR: 1C-30(M)H-2-8, GS/JG: 1C-130(M)H-2-34GS-00-1, 1C-130(M)H-2-46JG-20-1										
A19.5.5.1.1. Remove and install (R&I)										
A19.5.5.1.1.1. Navigation Instrument Switching Relay Panel								-	-	-
A19.5.5.1.1.2. Navigation Instrument Switching Relay								-	-	-
A19.5.5.1.1.3. Other Components								-	-	-
A19.5.5.2. C-12 Compass System TR: 1C-130(M)H-2-8, GS/JG: 1C-130(M)H-2-34GS-00-1, 1C-130(M)H-2-46JG-20-1										
A19.5.5.2.1. Perform operational check	*							-	-	-
A19.5.5.2.2. Remove and install (R&I) Components								-	-	-
A19.5.5.2.3. Adjust Gyro Drift Bias								-	-	-
A19.5.5.2.4. Operate Magnetic Heading Simulator								-	-	-
A19.5.5.3. Inertial Navigation System TR: 1C-130(M)H-2-8, GS/JG: 1C-130(M)H-2-34GS-00-1, 1C-130(M)H-2-46JG-40-1										
A19.5.5.3.1. Theory of Operation								-	-	-
A19.5.5.3.2. Perform operational check								-	-	-
A19.5.5.3.3. Discharge and Charge INS Battery TR: 35C3-2-82-1								-	-	-
A19.5.5.3.4. Remove and install (R&I) Components								-	-	-
A19.5.5.3.5. Troubleshoot system								-	-	-
A19.5.6. FLIGHT INSTRUMENTS										
A19.5.6.1. Pitot/Static TR: 1C-130(M)H-2-6,JG: 1C-130(M)H-2-34JG-10-1										
A19.5.6.1.1. Remove and install (R&I)										

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.5.6.1.1.1. Pressure Pulse Attenuator								-	-	-
A19.5.6.1.1.2. Air Data Transducer								-	-	-
A19.5.6.1.1.3. Other Components								-	-	-
A19.5.7. WARNING SYSTEMS										
A19.5.7.1. AN/ASN-167(V)1 Ground Collision Avoidance System TR: 1C-130(M)H-2-8										
A19.5.7.1.1. Theory of Operation								-	-	-
A19.5.7.1.2. Perform operational check	*							-	-	-
A19.5.7.1.3. Troubleshoot system								-	-	-
A19.5.8. ENGINE INDICATING SYSTEM										
A19.5.8.1. Torque Indicating System TR: GS/JG: 1C-130H-2-70GS-00-1, AC-130H-2-77JG-00-1										
A19.5.8.1.1. Calibrate Torque Indicator								-	-	-
A19.5.8.2. Turbine Inlet Temperature Indicating System TR: GS/JG: 1C-130H-2-70GS-00-1, 1C-130H-2-77JG-00-1										
A19.5.8.2.1. System Operation								-	-	-
A19.5.8.2.2. Perform operational check								-	-	-
A19.5.8.2.3. Remove and install (R&I) Components								-	-	-
A19.5.8.2.4. Troubleshoot system								-	-	-
A19.5.8.3. APU Exhaust Gas Temperature Indicating System TR: GS/JG: 1C-130H-2-49GS-00-1, 1C-130H-2-49JG-00-1										
A19.5.8.3.1. System Operation								-	-	-
A19.5.8.3.2. Perform operational check								-	-	-
A19.5.8.3.3. Remove and install (R&I) Components								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.5.8.3.4. Troubleshoot system								-	-	-
A19.5.8.4. Oil Pressure Indicating System TR: GS/JG: 1C-130H-2-49GS-00-1, 1C-130H-2-49JG-00-1										
A19.5.8.4.1. System Operation								-	-	-
A19.5.8.4.2. Perform operational check								-	-	-
A19.5.8.4.3. Remove and install (R&I) Components								-	-	-
A19.5.8.4.4. Troubleshoot system								-	-	-
A19.5.8.5. Oil Temperature Indicating System TR: GS/JG: 1C-130H-2-49GS-00-1, 1C-130H-2-49JG-00-1										
A19.5.8.5.1. System Operation								-	-	-
A19.5.8.5.2. Perform operational check								-	-	-
A19.5.8.5.3. Remove and install (R&I) Components								-	-	-
A19.5.8.5.4. Troubleshoot system								-	-	-
A19.5.9. LIQUID QUANTITY INDICATIONS										
A19.5.9.1. Digital Fuel Quantity System TR: 1C-130H-2-5, GS/JG: 1C-130H-2-8 -28GS-00-1, 1C-130H-2-28JG-40-1										
A19.5.9.1.1. System Operation								-	-	-
A19.5.9.1.2. Perform operational check								-	-	-
A19.5.9.1.3. Remove and install (R&I) Components								-	-	-
A19.5.9.1.4. Perform Preferred/Alternate Method Calibration.	*							-	-	-
A19.5.9.1.5. Operate Wing Adapter Test Set (Breakout Box)								-	-	-
A19.5.9.1.6. Troubleshoot system								-	-	-
A19.5.9.2. Oxygen Quantity Indicating System TR: 1C-130H-2-10, JG: 1C-130-2-25JG -00-1										
A19.5.9.2.1. System Operation								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.5.9.2.2. Perform operational check								-	-	-
A19.5.9.2.3. Troubleshoot system								-	-	-
A19.5.9.2.4. Remove and install (R&I) Components								-	-	-
A19.5.9.2.5. Perform Preferred/Alternate Method Calibration.								-	-	-
A19.5.9.3. Oil Quantity Indicating System TR: GS/JG: 1C-130H-2-49GS-00-1, 1C-130H-2-49JG-00-1										
A19.5.9.3.1. System Operation								-	-	-
A19.5.9.3.2. Perform operational check								-	-	-
A19.5.9.3.3. Remove and install (R&I) Components								-	-	-
A19.5.9.3.4. Troubleshoot system								-	-	-
A19.5.10. HYDRAULIC INDICATING SYSTEM										
A19.5.10.1. Hydraulic Pressure Indicating System TR: 1C-130H-2-3, JG: 1C-130H-2-29JG-00-1-2										
A19.5.10.1.1. System Operation								-	-	-
A19.5.10.1.2. Perform operational check								-	-	-
A19.5.10.1.3. Remove and install (R&I) Components								-	-	-
A19.5.10.1.4. Troubleshoot system								-	-	-
A19.5.11. MISCELLANEOUS SYSTEMS										
A19.5.11.1. Fuel Pressure Indicating System										
A19.5.11.1.1. Manifold TR: 1C-130H-2-5										
A19.5.11.1.1.1. System Operation								-	-	-
A19.5.11.1.1.2. Perform operational check								-	-	-
A19.5.11.1.1.3. Remove and install (R&I) Components								-	-	-
A19.5.11.1.1.4. Troubleshoot system								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.5.11.1.2. Universal Air Refueling Receptacle Slipway Installation TR: 1C-130B-2-5										
A19.5.11.1.2.1. System Operation								-	-	-
A19.5.11.1.2.2. Perform operational check								-	-	-
A19.5.11.1.2.3. Remove and install (R&I) Components								-	-	-
A19.5.11.1.2.4. Troubleshoot system								-	-	-
A19.5.12. TEST EQUIPMENT										
A19.5.12.1. Fabricate, Inspect and Maintain Locally Manufactured Fuel and Oxygen Quantity Cables TR: 1C-130(M)H-2-13								-	-	-
A19.6. MC-130P ON EQUIPMENT MAINTENANCE										
A19.6.1. GENERAL ORGANIZATIONAL MAINTENANCE										
A19.6.1.1. Aircraft Familiarization								-	-	-
A19.6.1.2. Major Structure Areas								-	-	-
A19.6.1.3. Major Systems								-	-	-
A19.6.2. GENERAL MAINTENANCE TASKS										
A19.6.2.1. Technical Order Familiarization								-	-	-
A19.6.2.2. Flightline Safety/Precautions/Security								-	-	-
A19.6.2.3. Ensure aircraft is safe for maintenance	*							-	-	-
A19.6.2.4. Inspect/Operation Portable External Power Units								-	-	-
A19.6.2.5. Inspect/Use Ground Maintenance Stands								-	-	-
A19.6.2.6. Dropped Object Prevention Program (DOPP)								-	-	-
A19.6.2.7. Statically Ground Aircraft								-	-	-
A19.6.2.8. Apply/Disconnect External Electrical Power Unit	*							-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.6.2.9. Perform Aircraft Wash								-	-	-
A19.6.2.10. Perform Refuel/Defuel Team Member Duties								-	-	-
A19.6.2.11. Open/Close Engine Cowling								-	-	-
A19.6.2.12. Remove and install (R&I) aircraft Maintenance Access Panels								-	-	-
A19.6.2.13. Perform Aircraft Marshaling Procedures								-	-	-
A19.6.2.14. Tow Aircraft								-	-	-
A19.6.2.15. Perform Wing/Tail Walkers Duties								-	-	-
A19.6.2.16. Brake Operator								-	-	-
A19.6.2.17. Jacking Supervisor								-	-	-
A19.6.2.18. Jacking Team Member								-	-	-
A19.6.3. GENERAL FLIGHT CONTROLS										
A19.6.3.1. E-4 Autopilot TR: 1C-130(H)H-2-11										
A19.6.3.1.1. System Operation								-	-	-
A19.6.3.1.2. Perform operational check								-	-	-
A19.6.3.1.3. Remove and install (R&I) Components								-	-	-
A19.6.3.1.4. Troubleshoot system								-	-	-
A19.6.4. GENERAL NAVIGATION SYSTEMS										
A19.6.4.1. Flight Director/Attitude Indicating System TR: 1C-130(H)H-2-5										
A19.6.4.1.1. System Operation								-	-	-
A19.6.4.1.2. Perform operational check								-	-	-
A19.6.4.1.3. Remove and install (R&I) Components								-	-	-
A19.6.4.1.4. Troubleshoot system								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.6.4.2. C-12 Compass System TR: 1C-130(H)H-2-11										
A19.6.4.2.1. System Operation								-	-	-
A19.6.4.2.2. Perform operational check	*							-	-	-
A19.6.4.2.3. Remove and install (R&I) Components								-	-	-
A19.6.4.2.4. Troubleshoot system								-	-	-
A19.6.4.3. Standby Compass TR: 1C-130(H)H-2-11										
A19.6.4.3.1. System Operation								-	-	-
A19.6.4.3.2. Inspect Standby Compass								-	-	-
A19.6.4.3.3. Remove and install (R&I) Standby Compass								-	-	-
A19.6.4.4. Self-Contained Navigation System (SCNS) TR: 1C-130(H)H-2-11										
A19.6.4.4.1. System Operation								-	-	-
A19.6.4.4.2. Perform operational check								-	-	-
A19.6.4.4.3. Remove and install (R&I) Components								-	-	-
A19.6.4.4.4. Troubleshoot system								-	-	-
A19.6.4.5. Periscopic Sextant TR: 1C-130(H)H-2-5										
A19.6.4.5.1. System Operation								-	-	-
A19.6.4.5.2. Perform operational check								-	-	-
A19.6.4.5.3. Remove and install (R&I) Components								-	-	-
A19.6.4.5.4. Troubleshoot system								-	-	-
A19.6.5. FLIGHT INSTRUMENTS										
A19.6.5.1. Free Air Temperature Indicating System TR: 1C-130(H)H-2-5										
A19.6.5.1.1. System Operation								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.6.5.1.2. Perform operational check								-	-	-
A19.6.5.1.3. Remove and install (R&I) Components								-	-	-
A19.6.5.1.4. Troubleshoot system								-	-	-
A19.6.6. DATA RECORDERS										
A19.6.6.1. Life History Recorder System TR: 1C-130B-2-6										
A19.6.6.1.1. System Operation								-	-	-
A19.6.6.1.2. Perform operational check								-	-	-
A19.6.6.1.3. Remove and install (R&I) Components								-	-	-
A19.6.6.1.4. Adjust Transducers								-	-	-
A19.6.6.1.5. Calibrate Strain Gauge Amplifiers								-	-	-
A19.6.6.1.6. Troubleshoot system								-	-	-
A19.6.6.2. Digital Flight Data Recorder System TR: 1C-130B-2-8										
A19.6.6.2.1. System Operation								-	-	-
A19.6.6.2.2. Perform operational check								-	-	-
A19.6.6.2.3. Troubleshoot system								-	-	-
A19.6.6.2.4. Remove and install (R&I) Components								-	-	-
A19.6.7. ENGINE INDICATING SYSTEM										
A19.6.7.1. Torque Indicating System TR: 1C-130(H)H-2-5										
A19.6.7.1.1. System Operation								-	-	-
A19.6.7.1.2. Perform operational check								-	-	-
A19.6.7.1.3. Calibrate Torque Indicators								-	-	-
A19.6.7.1.4. Remove and install (R&I) Components								-	-	-
A19.6.7.1.5. Troubleshoot system								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.6.7.2. Tachometer Indicating System TR: 1C-130(H)H-2-5										
A19.6.7.2.1. System Operation								-	-	-
A19.6.7.2.2. Perform operational check								-	-	-
A19.6.7.2.3. Remove and install (R&I) Components								-	-	-
A19.6.7.2.4. Troubleshoot system								-	-	-
A19.6.7.3. Turbine Inlet Temperature Indicating System TR: 1C-130(H)H-2-5										
A19.6.7.3.1. System Operation								-	-	-
A19.6.7.3.2. Perform operational check								-	-	-
A19.6.7.3.3. Remove and install (R&I) Components								-	-	-
A19.6.7.3.4. Troubleshoot system								-	-	-
A19.6.7.4. Oil Temperature indicating System TR: 1C-130(H)H-2-5										
A19.6.7.4.1. System Operation								-	-	-
A19.6.7.4.2. Perform operational check								-	-	-
A19.6.7.4.3. Remove and install (R&I) Components								-	-	-
A19.6.7.4.4. Troubleshoot system								-	-	-
A19.6.7.5. Fuel Flow Indicating System TR: 1C-130(H)H-2-5										
A19.6.7.5.1. System Operation								-	-	-
A19.6.7.5.2. Perform operational check								-	-	-
A19.6.7.5.3. Remove and install (R&I) Components								-	-	-
A19.6.7.5.4. Troubleshoot system								-	-	-
A19.6.8. LIQUID QUANTITY										
A19.6.8.1. Fuel Quantity Indicating System TR: 1C-130(H)H-2-5										

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.6.8.1.1. System Operation								-	-	-
A19.6.8.1.2. Perform operational check								-	-	-
A19.6.8.1.3. Remove and install (R&I) Components								-	-	-
A19.6.8.1.4. Calibrate System	*							-	-	-
A19.6.8.1.5. Troubleshoot system								-	-	-
A19.6.8.2. Oil Quantity Indicating System TR: 1C-130(H)-2-5										
A19.6.8.2.1. System Operation								-	-	-
A19.6.8.2.2. Perform operational check								-	-	-
A19.6.8.2.3. Troubleshoot system								-	-	-
A19.6.8.2.4. Remove and install (R&I) Components								-	-	-
A19.6.8.2.5. Adjust Transmitter								-	-	-
A19.6.9. HYDRAULIC INDICATING SYSTEM										
A19.6.9.1. Hydraulic Pressure Indicating System TR: 1C-130(H)-2-5										
A19.6.9.1.1. System Operation								-	-	-
A19.6.9.1.2. Perform operational check								-	-	-
A19.6.9.1.3. Troubleshoot system								-	-	-
A19.6.9.1.4. Remove and install (R&I) Components								-	-	-
A19.6.10. MISCELLANEOUS SYSTEMS										
A19.6.10.1. Fuel Pressure Indicating System TR: 1C-130(H)-2-5										
A19.6.10.1.1. System Operation								-	-	-
A19.6.10.1.2. Perform operational check								-	-	-
A19.6.10.1.3. Troubleshoot system								-	-	-
A19.6.10.1.4. Remove and install (R&I) Components								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.7. MH-53J/M ON-EQUIPMENT MAINTENANCE										
A19.7.1. GENERAL ORGANIZATIONAL MAINTENANCE										
A19.7.1.1. Aircraft Familiarization								-	-	-
A19.7.1.2. Major Structure Areas								-	-	-
A19.7.1.3. Major Systems								-	-	-
A19.7.2. GENERAL MAINTENANCE TASKS										
A19.7.2.1. Technical Order Familiarization								-	-	-
A19.7.2.2. Flightline Safety/Precautions/Security								-	-	-
A19.7.2.3. Ensure aircraft is safe for maintenance	*							-	-	-
A19.7.2.4. Inspect/Operation Portable External Power Units								-	-	-
A19.7.2.5. Inspect/Use Ground Maintenance Stands								-	-	-
A19.7.2.6. Dropped Object Prevention Program (DOPP)								-	-	-
A19.7.2.7. Statically Ground Aircraft								-	-	-
A19.7.2.8. Apply/Disconnect External Electrical Power Unit	*							-	-	-
A19.7.2.9. Perform Aircraft Wash								-	-	-
A19.7.2.10. Perform Refuel/Defuel Team Member Duties								-	-	-
A19.7.2.11. Open/Close Engine Cowling								-	-	-
A19.7.2.12. Remove and install (R&I) aircraft Maintenance Access Panels								-	-	-
A19.7.2.13. Perform Aircraft Marshaling Procedures								-	-	-
A19.7.2.14. Tow Aircraft								-	-	-
A19.7.2.15. Perform Wing/Tail Walkers Duties								-	-	-
A19.7.2.16. Brake Operator								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.7.2.17. Jacking Supervisor								-	-	-
A19.7.2.18. Jacking Team Member								-	-	-
A19.7.3. GENERAL FLIGHT CONTROLS										
A19.7.3.1. AFCS TR: 1H-53(M)J-2-3, 1H-53(M)J-2-3-1										
A19.7.3.1.1. System Operation								-	-	-
A19.7.3.1.2. Perform operational check	*							-	-	-
A19.7.3.1.3. Remove and install (R&I)										
A19.7.3.1.3.1. AFCS Servo Cylinder								-	-	-
A19.7.3.1.3.2. Other Components								-	-	-
A19.7.3.1.4. Troubleshoot system								-	-	-
A19.7.3.2. Trim System TR: 1H-53(M)J-2-3, 1H-53(M)J-2-3-1										
A19.7.3.2.1. System Operation								-	-	-
A19.7.3.2.2. Perform operational check								-	-	-
A19.7.3.2.3. Remove and install (R&I) Components								-	-	-
A19.7.3.2.4. Troubleshoot system								-	-	-
A19.7.3.3. Hover Coupler System TR: 1H-53(M)J-2-3, 1H-53(M)J-2-3-1										
A19.7.3.3.1. System Operation								-	-	-
A19.7.3.3.2. Perform operational check								-	-	-
A19.7.3.3.3. Remove and install (R&I) Components								-	-	-
A19.7.3.3.4. Troubleshoot system								-	-	-
A19.7.3.4. Adjustments/Bleeds TR: 1H-53(M)J-2-3, 1H-53(M)J-2-3-1										
A19.7.3.4.1. Perform Adjustments										
A19.7.3.4.1.1. AFCS Amplifier Using Remote Adjustment Box								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.7.3.4.1.2. AFCS Null Box								-	-	-
A19.7.3.4.1.3. AFCS Tilt table								-	-	-
A19.7.3.4.1.4. Pitch Position Sensor								-	-	-
A19.7.3.4.1.5. AFCS Servo Valve	*							-	-	-
A19.7.3.4.1.6. Yaw Servo Open Loop								-	-	-
A19.7.3.4.1.7. Stick Trim Amplifier								-	-	-
A19.7.3.4.2. Perform Hardover Bleeds Using Line Analyzer	*							-	-	-
A19.7.4. GENERAL NAVIGATION SYSTEMS										
A19.7.4.1. Enhanced Navigation System (ENS) TR: 1H-53(M)J-2-8										
A19.7.4.1.1. System Operation								-	-	-
A19.7.4.1.2. Perform operational check	*							-	-	-
A19.7.4.1.3. Remove and install (R&I) Components								-	-	-
A19.7.4.1.4. Troubleshoot system								-	-	-
A19.7.4.2. Load LRU Programs TR: 1H-53(M)J-2-8										
A19.7.4.2.1. Mission Computer	*							-	-	-
A19.7.4.2.2. Control Display Unit								-	-	-
A19.7.4.2.3. Symbol Generator Unit								-	-	-
A19.7.4.3. Interactive Defensive Avionics System (IDAS) TR: 1H-53(M)J-2-8										
A19.7.4.3.1. System Operation								-	-	-
A19.7.4.3.2. Perform operational check								-	-	-
A19.7.4.3.3. Remove and install (R&I) Components								-	-	-
A19.7.4.3.4. Troubleshoot system								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.7.4.4. Digital Map System TR: 1H-53(M)J-2-8										
A19.7.4.4.1. System Operation								-	-	-
A19.7.4.4.2. Perform operational check								-	-	-
A19.7.4.4.3. Load Digital Map Computer								-	-	-
A19.7.4.4.4. Remove and install (R&I) Components								-	-	-
A19.7.4.4.5. Troubleshoot system								-	-	-
A19.7.4.5. Projected Map Display System TR: 1H-53(M)J-2-8										
A19.7.4.5.1. System Operation								-	-	-
A19.7.4.5.2. Perform operational check								-	-	-
A19.7.4.5.3. Remove and install (R&I) Components								-	-	-
A19.7.4.5.4. Troubleshoot system								-	-	-
A19.7.4.6. C-12 Compass System TR: 1H-53(M)J-2-5										
A19.7.4.6.1. System Operation								-	-	-
A19.7.4.6.2. Perform operational check	*							-	-	-
A19.7.4.6.3. Perform System Compass Calibration Using MC-2000								-	-	-
A19.7.4.6.4. Remove and install (R&I) Components								-	-	-
A19.7.4.6.5. Troubleshoot								-	-	-
A19.7.4.7. Vertical Gyro Indicating System TR: 1H-53(M)J-2-5										
A19.7.4.7.1. System Operation								-	-	-
A19.7.4.7.2. Perform operational check	*							-	-	-
A19.7.4.7.3. Remove and install (R&I) Components								-	-	-
A19.7.4.7.4. Troubleshoot system								-	-	-
A19.7.5. WARNING SYSTEMS										

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1 Crse	(1 CDC	(1 Crse
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials			
A19.7.5.1. Cruise Guide System TR: 1H-53(M)J-2-5										
A19.7.5.1.1. System Operation								-	-	-
A19.7.5.2.2. Perform operational check								-	-	-
A19.7.5.1.3. Remove and install (R&I) Components								-	-	-
A19.7.5.1.4. Troubleshoot system								-	-	-
A19.7.5.2. Landing Gear Attitude Warning System TR: 1H-53(M)J-2-5										
A19.7.5.2.1. System Operation								-	-	-
A19.7.5.2.2. Perform operational check								-	-	-
A19.7.5.2.3. Remove and install (R&I) Components								-	-	-
A19.7.5.2.4. Troubleshoot system								-	-	-
A19.7.6. ENGINE INDICATING SYSTEM										
A19.7.6.1. Temperature (T-5 TR: 1H-53(M)J-2-5										
A19.7.6.1.1. System Operation								-	-	-
A19.7.6.1.2. Perform operational check								-	-	-
A19.7.6.1.3. Perform Heat Rise Check of T-5 Segments								-	-	-
A19.7.6.1.4. Remove and install (R&I) Components								-	-	-
A19.7.6.1.5. Troubleshoot system								-	-	-
A19.7.6.2. Torque Indicating System TR: 1H-53(M)J-2-5										
A19.7.6.2.1. System Operation								-	-	-
A19.7.6.2.2. Perform System Static Calibration	*							-	-	-
A19.7.6.2.3. Perform System Running Calibration								-	-	-
A19.7.6.2.4. Remove and install (R&I) Components								-	-	-
A19.7.6.2.5. Troubleshoot system								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.7.6.3. Tachometer Indication System NG, NF, MGB, APP TR: 1H-53(M)J-2-5										
A19.7.6.3.1. System Operation								-	-	-
A19.7.6.3.2. Perform operational check								-	-	-
A19.7.6.3.3. Remove and install (R&I) Components								-	-	-
A19.7.6.3.4. Troubleshoot system								-	-	-
A19.7.6.4. Fuel Flow Indicating System TR: 1H-53(M)J-2-5										
A19.7.6.4.1. System Operation								-	-	-
A19.7.6.4.2. Perform operational check								-	-	-
A19.7.6.4.3. Remove and install (R&I) Components								-	-	-
A19.7.6.4.4. Troubleshoot system								-	-	-
A19.7.7. LIQUID QUANTITY										
A19.7.7.1. Fuel Quantity Indicating System TR: 1H-53(M)J-2-5										
A19.7.7.1.1. System Operation								-	-	-
A19.7.7.1.2. Perform operational check								-	-	-
A19.7.7.1.3. Remove and install (R&I) Components								-	-	-
A19.7.7.1.4. Calibrate Indicators	*							-	-	-
A19.7.7.1.5. Troubleshoot system								-	-	-
A19.7.8. HYDRAULIC INDICATING SYSTEMS										
A19.7.8.1. Pressure Indicating System (MGB Oil, Hydraulic) TR: 1H-53(M)J-2-5										
A19.7.8.1.1. System Operation								-	-	-
A19.7.8.1.2. Perform operational check								-	-	-
A19.7.8.1.3. Remove and install (R&I) Components								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.7.8.1.4. Troubleshoot system								-	-	-
A19.7.9. MISCELLANOUS SYSTEMS										
A19.7.9.1. Oil Temperature Indicating System MGB, NGB, ENG TR: 1H-53(M)J-2-5										
A19.7.9.1.1. System Operation								-	-	-
A19.7.9.1.2. Perform operational check								-	-	-
A19.7.9.1.3. Remove and install (R&I) Components								-	-	-
A19.7.9.1.4. Troubleshoot system								-	-	-
A19.8. SOF OFF-EQUIPMENT MAINTENANCE										
A19.8.1. GENERAL FLIGHT CONTROLS										
A19.8.1.1. Autopilot Signal Switching System TR: Local Checklist										
A19.8.1.1.1. Bench Check/Repair										
A19.8.1.1.1.1. Autopilot Signal Panel								-	-	-
A19.8.1.1.1.2. Signal Source Select Panel								-	-	-
A19.8.1.1.1.3. Autopilot Signal Switching Unit								-	-	-
A19.8.1.2. FCS-105 Flight Control System										
A19.8.1.2.1. Bench Check										
A19.8.1.2.1.1. Autopilot Amplifier TR: 5A3-76-3								-	-	-
A19.8.1.2.1.2. Yaw Damper Controller TR: 5A9-2-56-3								-	-	-
A19.8.1.2.1.3. FCS-105 Vertical Gyro TR: 5A11-3-13-3								-	-	-
A19.8.1.2.1.4. Yaw Damper Computer TR: 5A7-3-40-3								-	-	-
A19.8.1.2.1.5. Air Data Controller TR: 5A8-18-4-3								-	-	-
A19.8.1.2.1.6. Acceleration Sensor TR: 5A22-2-6-30								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.8.1.2.1.7. FCS-105 ADI TR: 5A12-4-6-3								-	-	-
A19.8.1.2.1.8. FCS-105 Rate of Turn Gyro TR: 5F8-4-18-3								-	-	-
A19.8.1.2.1.9. Rate Switching Gyro TR: 5A20-18-3								-	-	-
A19.8.1.2.1.10. Servo Motor TR: 5A20-18-3								-	-	-
A19.8.1.2.1.11. Drum and Bracket Assembly TR: 5A20-18-3								-	-	-
A19.8.1.2.1.12. Airspeed Sensor TR: 5A22-5-2-3								-	-	-
A19.8.1.2.1.13. FCS-105 Course Indicator TR: 5F8-14-3-3								-	-	-
A19.8.1.2.2. Bench Check/Repair										
A19.8.1.2.2.1. FCS -105 Mode Selector Panel TR: 5A9-8-6-3								-	-	-
A19.8.1.2.2.2. FCS-105 Mode Coupler TR: 5A28-20-3								-	-	-
A19.8.1.2.2.3. Control Course Heading TR: 5A9-8-5-3								-	-	-
A19.8.1.2.2.4. Navigation Instrument Switching Unit TR: 5A20-18-3								-	-	-
A19.8.1.3. Automatic Flight Control System (AFCS) (MH-53J/M) TR: 5A1-2-1-112										
A19.8.1.3.1. Bench Check										
A19.8.1.3.1.1. Flight Director Indicator								-	-	-
A19.8.1.3.1.2. Stick Trim Position Sensor								-	-	-
A19.8.1.3.1.3. Altitude Controller								-	-	-
A19.8.1.3.1.4. Pitch Position Sensor								-	-	-
A19.8.1.3.2. Bench Check/Repair										
A19.8.1.3.2.1. AFCS Amplifier								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.8.1.3.2.2. AFCS Stick Trim Amplifier								-	-	-
A19.8.1.3.2.3. AFCS Hover Coupler Amplifier								-	-	-
A19.8.1.3.2.4. Dual Channel Sync. Amplifier								-	-	-
A19.8.1.3.2.5. Coupler Control Panel								-	-	-
A19.8.1.3.2.6. Hover Trim Control Panel								-	-	-
A19.8.1.3.2.7. Coupler Null Unit								-	-	-
A19.8.1.3.2.8. AFCS Control Panel								-	-	-
A19.8.1.4. E-4 Automatic Flight Control System TR: 5A1-2-8-1										
A19.8.1.4.1. Bench Check										
A19.8.1.4.1.1. K6A Gyro								-	-	-
A19.8.1.4.1.2. Servo Motor								-	-	-
A19.8.1.4.1.3. Drum & Bracket Assembly								-	-	-
A19.8.1.4.1.4. Course Datum Repeater								-	-	-
A19.8.1.4.2. Bench Check/Repair										
A19.8.1.4.2.1. MA-4A Amplifier								-	-	-
A19.8.1.4.2.2. 02 Servo Control								-	-	-
A19.8.1.4.2.3. Pedestal Controller								-	-	-
A19.8.1.4.2.4. Engage Panel								-	-	-
A19.8.1.4.2.5. Beam Coupler								-	-	-
A19.8.1.4.2.6. Relay Box								-	-	-
A19.8.1.4.2.7. Trim Tab Adapter								-	-	-
A19.8.2. GENERAL COMPUTER COMPLEX										
A19.8.2.1. Mission Data Processing System TR: 33D2-8-413-8-1										

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	(1 Crse	(1 CDC	(1 Crse
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	-	-	-
A19.8.2.1.1. Bench Check/Load Mission Computer OFP Using PLV or CAPRE								-	-	-
A19.8.2.1.2. Bench Check INU								-	-	-
A19.8.2.2. Fire Control/Data Management Center										
A19.8.2.2.1. Bench Check										
A19.8.2.2.1.1. Display Generator Unit TR: 12R5-4-235-8-1								-	-	-
A19.8.2.2.1.2. Battle Management Multiplexor TR: 12R5-4-236-8-1								-	-	-
A19.8.2.2.2. Bench Check/Repair										
A19.8.2.2.2.1. Electronic Control Unit TR: 11W1-15-16-8-1								-	-	-
A19.8.2.2.2.2. Loader Weapons Control Panels TR: 11W1-15-16-8-2, 11W2-8-33-8-1								-	-	-
A19.8.2.2.2.3. Cockpit Mounted Multifunction Display TR: 12R2-4-292-8-1								-	-	-
A19.8.2.2.2.4. Horizontal Situation Video Display TR: 12R2-4-297-8-1								-	-	-
A19.8.2.2.2.5. Display Generator Unit TR: 12R2-4-314-8-1								-	-	-
A19.8.2.2.2.6. Battle Management Multifunction Display TR: 12S6-4-69-8-1								-	-	-
A19.8.3. GENERAL NAVIGATION SYSTEMS										
A19.8.3.1. C-12 Compass System TR: 5N1-2-15-2										
A19.8.3.1.1. Bench Check										
A19.8.3.1.1.1. Digital Controller								-	-	-
A19.8.3.1.1.2. Directional Gyro								-	-	-
A19.8.3.1.1.3. Amplifier								-	-	-
A19.8.3.1.1.4. Remote Magnet Compensator								-	-	-
A19.8.3.2. Flight Director Systems										

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.8.3.2.1. Bench Check										
A19.8.3.2.1.1. Attitude Directional Indicator (ADI) TR: 5F8-3-20-13								-	-	-
A19.8.3.2.1.2. Horizontal Situation Indicator (HSI) TR: 33A1-3-147-31								-	-	-
A19.8.3.2.1.3. Flight Director Computer TR: 5F5-5-7-13, 5F5-5-5-2, 5F5-5-4-2, 5F5-7-3								-	-	-
A19.8.3.2.1.4. MD-1 Vertical Gyro TR: 5F1-3-2-12								-	-	-
A19.8.3.2.1.5. Rate of Turn Gyro TR: 5F10-4-4-2								-	-	-
A19.8.3.2.1.6. Rate Switching Gyro TR: 5F6-4-6-3, 5F6-4-3-23								-	-	-
A19.8.3.3. Inertial Navigation System										
A19.8.3.3.1. Bench Check										
A19.8.3.3.1.1. Mission Computer J-Box TR: 11F8-4-19-1								-	-	-
A19.8.3.3.1.2. Head-Up Display TR: 11F15-3-20-8-1								-	-	-
A19.8.3.3.1.3. Pilots Display Unit TR: 5N5-15-5-8-1								-	-	-
A19.8.3.3.1.4. Mini Air Data Computer TR: 5N5-15-5-8-1								-	-	-
A19.8.3.3.1.5. Alpha Beta Computer TR: 5N5-15-5-8-1								-	-	-
A19.8.3.3.1.6. Data Transfer Module TR: 33D2-8-413-8-1								-	-	-
A19.8.3.4. Enhanced Navigation System (MH-53J/M) TR: 33D2-8-413-8-1										
A19.8.3.4.1. Bench Check										
A19.8.3.4.1.1. Inertial Navigation Unit								-	-	-
A19.8.3.4.1.2. Mission Computer								-	-	-
A19.8.3.4.1.3. VSDS Symbol Generator Unit								-	-	-
A19.8.3.4.1.4. VSDS Control Panel								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.8.3.4.1.5. Bus Interface Unit								-	-	-
A19.8.3.4.1.6. Control Display Unit								-	-	-
A19.8.3.4.1.7. Data Transfer Unit								-	-	-
A19.8.3.4.2. Bench Check/Repair										
A19.8.3.4.2.1. ENS Mode Control Panel								-	-	-
A19.8.3.4.2.2. 9" Monitor								-	-	-
A19.8.3.4.2.3. 3.5 DTS (53M)								-	-	-
A19.8.3.4.2.4. DTM (53J)								-	-	-
A19.8.3.5. Vertical Gyro Indicating System										
A19.8.3.5.1. Bench Check Vertical Gyro TR: 1H-53(M)J-2-5								-	-	-
A19.8.3.5.2. Bench Check/Repair Yaw Demodulator Amplifier TR: 5A1-2-1-112								-	-	-
A19.8.3.6. AN/ASN Projected Map Display System (PMD) TR: 5N1-5-2-2										
A19.8.3.6.1. Bench Check/Repair										
A19.8.3.6.1.1. PMD Display Unit								-	-	-
A19.8.3.6.1.2. Signal Data Converter								-	-	-
A19.8.3.6.2. Bench Check/Repair/Align PMD Cassette Assembly								-	-	-
A19.8.3.7. Inertial Navigation System										
A19.8.3.7.1. Bench Check										
A19.8.3.7.1.1. Mission Computer TR: 33D7-44-369-1								-	-	-
A19.8.3.7.1.2. Power Control Panel TR: 33D2-8-413-8-1								-	-	-
A19.8.3.7.1.3. 3.5 Floppy Disk Airborne Data Loader TR: 33D7-44-369-1								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.8.3.7.1.4. Power Control Panel TR: 33D7-44-369-1								-	-	-
A19.8.3.7.1.5. GSDI TR: 33D7-44-369-1								-	-	-
A19.8.3.7.1.6. INU(RLG) TR: 33D7-44-369-1								-	-	-
A19.8.3.7.2. Bench Check/Repair										
A19.8.3.7.2.1. Inertial Navigation Unit TR: 33D7-44-369-1								-	-	-
A19.8.3.7.2.2. Control Display Unit TR: 33D2-8-413-8-1								-	-	-
A19.8.3.7.2.3. Data Transfer Unit TR: 33D2-8-413-8-1								-	-	-
A19.8.3.7.2.4. Attitude Stability Amplifier TR: 33D7-44-369-1								-	-	-
A19.8.3.7.2.5. Steering Signal Interface Unit TR: 33D7-44-369-1								-	-	-
A19.8.3.7.2.6. Load Mission Computer Using PLV or CAPRE TR: 33D2-8-413-8-1								-	-	-
A19.8.4. FLIGHT INSTRUMENTS										
A19.8.4.1. Bench Check										
A19.8.4.1.1. Altimeters TR: 5F3-3-19-2, 5F3-3-16-2, 5F3-3-3-3, 5F3-3-8-3, 5F3-3-3-13, 5F3-2-3-3								-	-	-
A19.8.4.1.2. Vertical Velocity Indicator (VVI) TR: 5F8-9-13, 5F8-9-8-3, 5F8-9-12-3								-	-	-
A19.8.4.1.3. Airspeed Indicator TR: 5F8-2-25-6, 5F8-2-27-43, 5F8-2-58-3, 5F8-2-9-3, 5F8-2-5-3								-	-	-
A19.8.4.1.4. Air Data Computer TR: 5F5-4-46-8-1								-	-	-
A19.8.5. WARNING SYSTEMS										
A19.8.5.1. Cruise Guide Indication System TR: 1H-53(M)J-2-5										
A19.8.5.1.1. Bench Check Cruise Guide Indicator								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.8.5.1.2. Bench Check/Repair Cruise Guide Amplifier								-	-	-
A19.8.5.2. Landing Gear/Attitude Warning System										
A19.8.5.2.1. Bench Check/Repair Landing Gear Attitude Warning Amplifier TR: 33D2-7-26-1								-	-	-
A19.8.6. ENGINE INDICATING SYSTEM										
A19.8.6.1. Bench Check										
A19.8.6.1.1. Turbine Inlet Temperature Indicator TR: 5E6-2-1-117								-	-	-
A19.8.6.1.2. Tachometer Indicator TR: 5E6-2-1-117								-	-	-
A19.8.6.1.3. Tachometer Generator TR: 5E6-2-1-117								-	-	-
A19.8.6.1.4. Oil Pressure Indicator TR: 33D2-6-105-1								-	-	-
A19.8.6.1.5. Fuel Flow Indicator TR: 33D2-6-80-1								-	-	-
A19.8.6.1.6. Fuel Flow Power Supply TR: 33D2-6-80-1								-	-	-
A19.8.7. LIQUID QUANTITY										
A19.8.7.1. Bench Check										
A19.8.7.1.1. Oil Quantity Indicator TR: 33A1-9-36-1								-	-	-
A19.8.7.1.2. Oil Quantity Transmitter TR: 5L14-3-8-323								-	-	-
A19.8.7.1.3. Fuel Quantity Summation Unit TR: 5L14-5-4-3								-	-	-
A19.8.8. MISCELLANEOUS SYSTEMS										
A19.8.8.1. Slave Switching System										
A19.8.8.1.1. Bench Check26VAC Reference Panel TR: Local Checklist								-	-	-
A19.8.8.1.2. Bench Check/Repair										
A19.8.8.1.2.1. Slave Switching Unit TR: 33D5-36-4-1								-	-	-

AFSOC TRAINING REQUIREMENTS

2A5X3B

	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note 1)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1 Crse	(1 CDC	(1 Crse (2 CDC
A19.8.8.1.2.2. Switching Unit Control TR: Local Checklist								-	-	-
A19.8.8.1.2.3. Equipment Power Panel TR: Local Checklist								-	-	-
A19.8.8.2. Trainable Weapons Fire Control Interface										
A19.8.8.2.1. Bench Check Ready/Fire Panel TR: Local Checklist								-	-	-
A19.8.8.2.2. Boresight Adjust Panel TR: 1C-130(A)H-2-14								-	-	-
A19.8.8.3. Torque Wrench Test Set (CDI 2000)										
A19.8.8.3.1. Bench Check/Calibrate/Repair Torque Devices TR: 32B14-3-1-101								-	-	-

ELECTRONIC PRINCIPLES TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC

ATTACHMENT 20 - Electronic Principles

NOTE 1: This attachment identifies the Air Force standardized STS Electronic Fundamentals and applications STS entries.

NOTE 2: Only those items in column 4A that have proficiency level codes are trained in the E3AQR2A533B 332, Electronic Principles course.

NOTE 3: Users may annotate additional devices or circuits not identified by this attachment that are specific to their AFSC IAW AFI 36-2201.

NOTE 4: All course requirements are trained in the 3-level resident course during wartime.

NOTE 5: Items shown in parentheses are taught to the designated level in course J3ABR2A533B 002, Instrument and Flight Controls Systems Apprentice.

A20.1. BASIC TERMS TR: 31-1-141-2, -5 technical orders										
A20.1.1. Metric Notation								2b	-	-
A20.1.2. Direct Current (DC) Terms								B	-	-
A20.1.3. Alternating Current (AC) Terms								B	-	-
A20.2. BASIC CIRCUITS TR: 31-1-141-2, -5 technical orders										
A20.2.1. Theory of Operation								B	-	-
A20.2.2. Troubleshoot Circuits								-	-	-
A20.3. BASIC CIRCUIT CALCULATIONS TR: 31-1-141-5 technical orders										
A20.3.1. DC								2b	-	-
A20.3.2. AC								2b	-	-
A20.4. RESISTORS TR: 31-1-141-2, -15 technical orders										
A20.4.1. Theory of Operation								B	-	-
A20.4.2. Color Code								2b	-	-
A20.4.3. Isolate Faulty Resistors								2b	-	-
A20.5. RELAYS/SOLENOIDS TR: 31-1-141-2, -3 technical orders										
A20.5.1. Relay Theory of Operation								B	-	-
A20.5.2. Isolate Faulty Relays								2b	-	-
A20.6. INDUCTORS TR: 31-1-141-2, -15 technical orders										

ELECTRONIC PRINCIPLES TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A20.6.1. Theory of Operation								B	-	-
A20.6.2. Isolate Faulty Inductors								2b	-	-
A20.6.3. Calculations								-	-	-
A20.7. CAPACITORS TR: 31-1-141-2, -5, -15 technical orders										
A20.7.1. Theory of Operation								B	-	-
A20.7.2. Isolate Faulty Capacitors								2b	-	-
A20.7.3. Calculations								(2b)	-	-
A20.7.4. Color Code								-	-	-
A20.8. TRANSFORMERS TR: 31-1-141-2, -5, -15 technical orders										
A20.8.1. Theory of Operation								B	-	-
A20.8.2. Isolate Faulty Transformers								2b	-	-
A20.9. THREE PHASE TRANSFORMERS TR: 31-1-141-2, -15 technical orders										
A20.9.1. Theory of Operation								B	-	-
A20.9.2. Isolate Faulty Three Phase Transformers								-	-	-
A20.10. DC MOTORS TR: 31-1-141-2, -9 technical orders										
A20.10.1. Theory of Operation								B	-	-
A20.10.2. Troubleshoot DC Motors								-	-	-
A20.11. AC MOTORS TR: 31-1-141-2, -9 technical orders										
A20.11.1. Theory of Operation								B	-	-
A20.11.2. Troubleshoot AC Motors								-	-	-
A20.12. DC GENERATORS TR: 31-1-141-2, -9, -13 technical orders										
A20.12.1. Theory of Operation								B	-	-
A20.12.2. Troubleshoot DC Generators								-	-	-

ELECTRONIC PRINCIPLES TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A20.13. AC GENERATORS TR: 31-1-141-2, -9, -13 technical orders										
A20.13.1. Theory of Operation								B	-	-
A20.13.2. Troubleshoot AC generators								-	-	-
A20.14. SYNCHRO/SERVOS TR: 31-1-141-2, -9 technical orders										
A20.14.1. Theory of Operation								B	B	-
A20.14.2. Troubleshoot Synchro/Servos								(2b)	B	-
A.20.15. TRANSDUCERS TR: 31-1-141-3, -14 technical orders										
A20.15.1. Theory of Operation								B	-	-
A20.15.2. Isolate Faulty Transducers								-	-	-
A20.16. SOLID STATE DIODES TR: 31-1-141-4, -15 technical orders										
A20.16.1. Theory of Operation								B	-	-
A20.16.2. Isolate Faulty Solid State Diodes								2b	-	-
A20.16.3. Specifications								-	-	-
A20.16.4. Color Code								-	-	-
A20.17. BIPOLAR JUNCTION TRANSISTORS TR: 31-1-141-4 technical orders										
A20.17.1. Theory of Operation								B	-	-
A20.17.2. Isolate Faulty Transistors								2b	-	-
A20.17.3. Specifications								-	-	-
A20.18. SOLID STATE SPECIAL PURPOSE DEVICES TR: 31-1-141-4 technical orders										
A20.18.1. Theory of Operation								-	-	-
A20.18.2. Silicon Controlled Rectifier (SCR)								-	-	-
A20.18.3. Zener Diode								B	-	-

ELECTRONIC PRINCIPLES TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A20.18.4. Tunnel Diode								-	-	-
A20.18.5. Light Emitting Diode (LED)								B	-	-
A20.18.6. Liquid Crystal Diode (LCD)								B	-	-
A20.18.7. Integrated Circuits (IC)								B	-	-
A20.18.8. Unijunction Transistor (UJT)								-	-	-
A20.18.9. Junction Field Effect Transistor (JFET)								-	-	-
A20.18.10. Metal Oxide Semi-Conductor Field Effect Transistor (MOSFET)								-	-	-
A20.18.11. Isolate faulty special purpose devices								-	-	-
A20.19. CATHODE RAY TUBES (CRT) TR: 31-1-141-1, -3 technical orders										
A20.19.1. Theory of Operation								-	-	-
A20.19.2. Isolate faulty CRTs								-	-	-
A20.20. SOLDER/DESOLDER TR: 00-25-234, 1-1A-14, 31-1-141-15 technical orders										
A20.20.1. Terminal Connections								2b	-	-
A20.20.2. Printed Circuit (PC) boards								2b	-	-
A20.20.3. Multipin Connectors								2b	-	-
A20.20.4. Coaxial Connectors								2b	-	-
A20.20.5. Pot Connectors								-	-	-
A20.21. ASSEMBLE/DISASSEMBLE SOLDERLESS CONNECTORS TR: 1-1A-14, 31-1-141-15 technical orders										
A20.21.1. Crimp Connections	*							2b	B	-
A20.21.2. Coaxial Connections	*							2b	B	-
A20.21.3. Triaxial Connections	*							(a)	B	-
A20.21.4. Multipin Connections	*							2b	B	-

ELECTRONIC PRINCIPLES TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A20.22. USE TEST EQUIPMENT TR: 31-1-141-1, -7, -8, -9, -10 technical orders										
A20.22.1. Analog Multimeter								2b	-	-
A20.22.2. Oscilloscope								-	-	-
A20.22.3. Signal Generator								-	-	-
A20.22.4. Frequency counter								-	-	-
A20.22.5. Spectrum Analyzer								-	-	-
A20.22.6. Field Strength Tester								-	-	-
A20.22.7. Digital Multimeter	*							(3c)	-	-
A20.22.8. Digital Logic Probe								-	-	-
A20.22.9. Capacitor Tester								-	-	-
A20.22.10. Capacitor Substitution Box								-	-	-
A20.22.11. Logic Current Tracer								-	-	-
A20.22.12. Logic Analyzer								-	-	-
A20.22.13. Signature Analyzer								-	-	-
A20.22.14. Time Domain Reflectometer								(2b)	B	(3c)
A20.22.15. Serial Bus Analyzer								(2b)	-	-
A20.22.16. Bonding Meter								-	-	-
A20.23. TRANSISTOR AMPLIFIER CIRCUITS TR: 31-1-141-1, -4 technical orders										
A20.23.1. Theory of Operation										
A20.23.1.1. Amplifier Circuits								(B)	(B)	-
A20.23.1.2. Stabilization Circuits								-	-	-
A20.23.1.3. Coupling Circuits								-	-	-
A20.23.2. Troubleshoot Circuits								-	-	-

ELECTRONIC PRINCIPLES TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A20.24. OPERATIONAL AMPLIFIERS (OP AMPS) TR: 31-1-141-4 technical orders										
A20.24.1. Theory of Operation								-	-	-
A20.24.2. Isolate Faulty operational Amplifiers								-	-	-
A20.25. POWER SUPPLY CIRCUITS TR: 31-1-141-3, -4, -9, -15 technical orders										
A20.25.1. Theory of Operation								-	-	-
A20.25.1.1. Rectifiers								B	-	-
A20.25.1.2. Filters								B	-	-
A20.25.2. Troubleshoot Circuits								-	-	-
A20.26. VOLTAGE REGULATORS TR: 31-1-141-3, -4 technical orders										
A20.26.1. Theory of Operation								B	-	-
A20.26.2. Troubleshoot Circuits								-	-	-
A20.27. RESISTIVE/CAPACITIVE/INDUCTIVE (RCL) CIRCUITS TR: 31-1-141-2, -5 technical orders										
A20.27.1. Basic Operation								-	-	-
A20.27.2. Resonant Operation								-	-	-
A20.27.3. Troubleshoot Circuits								-	-	-
A20.28. FREQUENCY SENSITIVE FILTERS TR: 31-1-141-2 technical orders										
A20.28.1. Theory of Operation								-	-	-
A20.28.2. Troubleshoot Circuits								-	-	-
A20.28.3. Calculations								-	-	-
A20.29. WAVE GENERATION CIRCUITS TR: 31-1-141-3, -4, -10 technical orders										
A20.29.1. Theory of Operation								-	-	-
A20.29.1.1. Oscillators								B	-	-

ELECTRONIC PRINCIPLES TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A20.29.1.2. Multivibrators								B	-	-
A20.29.1.3. Waveshaping Circuits								B	-	-
A20.29.2. Troubleshoot Circuits								-	-	-
A20.30. LIMITER CIRCUITS TR: 31-1-141-4 technical orders										
A20.30.1. Theory of Operation								-	-	-
A20.30.1.1. Diode								B	-	-
A20.30.1.2. Zener Diode								B	-	-
A20.30.1.3. Transistor								-	-	-
A20.30.2. Troubleshoot Circuits								-	-	-
A20.31. CLAMPER CIRCUITS										
A20.31.1. Theory of Operation								-	-	-
A20.31.2. Troubleshoot Circuits								-	-	-
A20.32. DIGITAL NUMBERING SYSTEMS TR: 31-1-141-5 technical orders										
A20.32.1. Conversion								-	-	-
A20.32.1.1. Binary								2b	-	-
A20.32.1.2. Octal								2b	-	-
A20.32.1.3. Hexadecimal								2b	-	-
A20.32.1.4. Binary Coded Decimal								2b	-	-
A20.32.2. Math Operations										
A20.32.2.1. Binary								2b	B	-
A20.32.2.2. Octal								-	-	-
A20.32.2.3. Hexadecimal								-	-	-
A20.33. DIGITAL LOGIC FUNCTIONS TR: 31-1-141-4, -9 technical orders										
A20.33.1. Theory of Operation								-	-	-

ELECTRONIC PRINCIPLES TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A20.33.1.1. Main Logic Gates								B	B	-
A20.33.1.2. Flip-Flops								B	-	-
A20.33.2. Troubleshoot Circuits								-	-	-
A20.33.3. Logic Families										
A20.33.3.1. Transistor to Transistor Logic (TTL)								-	-	-
A20.33.3.2. Complementary Metal Oxide Semi-Conductor (CMOS)								-	-	-
A20.34. BOOLEAN EQUATIONS TR: 31-1-141-5 technical orders										
A20.34.1. Diagram to Equation								-	B	-
A20.34.2. Equation to Diagram								-	B	-
A20.34.3. Simplify Expressions								-	-	-
A20.35. COMPUTERS TR: 31-1-141-6C, -9 technical orders										
A20.35.1. Computer Theory								-	-	-
A20.35.1.1. Hardware								B	B	-
A20.35.1.2. Software										
A20.35.1.2.1. Operating System								B	-	-
A20.35.1.2.2. Virus Protection								B	-	-
A20.35.1.2.3. Diagnostics								B	-	-
A20.35.1.2.4. Applications								B	-	-
A20.35.2. Load programs								-	-	-
A20.35.3. Write and Debug Programs								-	-	-
A20.35.4. Isolate Faulty Major Computer Units								-	-	-
A20.35.5. Troubleshoot Subassemblies/Circuits								-	-	-
A20.35.6. Types of Memories								-	-	-
A20.35.7. Peripheral Devices								B	-	-

ELECTRONIC PRINCIPLES TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A20.35.8. Programming Languages								-	-	-
A20.36. MICROPROCESSOR CONTROLLED SYSTEMS TR: 31-1-141-6C, -9 technical orders										
A20.36.1. Theory of Operation								-	-	-
A20.36.1.1. Basic								-	-	-
A20.36.1.2. Universal								-	-	-
A20.36.1.3. 8085 Specific								-	-	-
A20.36.2. Isolate Faulty Microprocessors								-	-	-
A20.37. LOGIC CIRCUITS TR: 31-1-141-3, -5, -9, -13 technical orders										
A20.37.1. Theory of Operation								-	-	-
A20.37.1.1. Counters								-	-	-
A20.37.1.2. Registers								-	-	-
A20.37.1.3. Combination Logic Circuits								-	-	-
A20.37.2. Troubleshoot Circuits								-	-	-
A20.38. DIGITAL TO ANALOG AND ANALOG TO DIGITAL CONVERTERS TR: 31-1-141-13 technical orders										
A20.38.1. Theory of Operation								A	-	-
A20.38.2. Isolate Faulty Converters								-	-	-
A20.39. TRANSMISSION LINES TR: 31-1-141-7, -8, -9, -11										
A20.39.1. Theory of Operation								B	-	-
A20.39.2. Perform Measurements								-	-	-
A20.39.3. Calculations								-	-	-
A20.39.4. Isolate Faulty Transmission Lines								-	-	-

ELECTRONIC PRINCIPLES TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A20.40. WAVEGUIDES TR: 31-1-141-9, -11 technical orders										
A20.40.1. Theory of Operation								B	-	-
A20.40.2. Fault Isolation								-	-	-
A20.41. MICROWAVE OSCILLATORS AND AMPLIFIERS TR: 31-1-141-3, -10, -11 technical orders										
A20.41.1. Theory of Operation								-	-	-
A20.41.2. Tune or Adjust								-	-	-
A20.41.3. Isolate Faulty Microwave Oscillators and Amplifiers								-	-	-
A20.42. RESONANT CAVITIES TR: 31-1-141-3, -9, -11 technical orders										
A20.42.1. Theory of Operation								-	-	-
A20.42.2. Isolate Faulty Resonant Cavities								-	-	-
A20.42.3. Tune or Adjust								-	-	-
A20.43. TRANSMITTERS TR: 31-1-141-4, -9, -13 technical orders										
A20.43.1. Theory of Operation								-	-	-
A20.43.1.1. Amplitude Modulation								B	-	-
A20.43.1.2. Frequency Modulation								B	-	-
A20.43.1.3. Single Side Band								-	-	-
A20.43.1.4. Pulse Modulation								-	-	-
A20.43.2. Troubleshoot Circuits								-	-	-
A20.44. RECEIVERS TR: 31-1-141-4, -9, -13 technical orders										
A20.44.1. Theory of Operation										
A20.44.1.1. Amplitude Modulation								B	-	-
A20.44.1.2. Frequency Modulation								B	-	-

ELECTRONIC PRINCIPLES TRAINING REQUIREMENTS

2A5X3B

1. TASKS, KNOWLEDGE AND TECHNICAL REFERENCES	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)		
	A	B	A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse (2) CDC
A20.44.1.3. Single Side Band								-	-	-
A20.44.1.4. Pulse Modulation								-	-	-
A20.44.2. Troubleshoot Circuits								-	-	-
A20.45. ANTENNAS TR: 31-1-141-12 technical orders										
A20.45.1. Theory of Operation								B	-	-
A20.45.2. Perform Alignments								-	-	-
A20.45.3. Isolate Faulty Antennas								-	-	-
A20.46. SUPPORT SUBJECTS TR: 31-1-141-1, 00-25-234 AFR 80-23, 700-13 technical orders										
A20.46.1. Electronics Safety								B	-	-
A20.46.2. First Aid for Electrical Shock								B	-	-
A20.46.3. Electrostatic Discharge (ESD) Control								B	-	-
A20.46.4. Electromagnetic Effects on Electronic Equipment										
A20.46.4.1. Pulse (EMP)								B	-	-
A20.46.4.2. Interference (EMI)								B	-	-

SECTION B - COURSE OBJECTIVE LIST

4. Measurement: Each proficiency code STS task or knowledge item taught at the technical school is measured through the use of an objective. An objective is a written instruction for the student so he or she knows what is expected of them to successfully complete training on each task. Each objective is composed of a condition, behavior, and standard; which states what is expected of the student for each task. The condition is the setting in which the training takes place (i.e. technical orders, type of equipment, etc.). The behavior is the observable portion of the objective (i.e. perform an operational check). The standard is the level of performance that is measured to ensure the STS proficiency code level is attained. Each objective uses letter code(s) to identify how it is measured. All objectives use the PC code(s), which indicates a progress check is used to measure subject or task knowledge. W indicates a comprehensive written test and is used to measure the subject or task knowledge at the end of a block of instruction. PC/W indicates a subject or task knowledge progress check and a separate measurement of both knowledge and performance elements using a written test.

5. Standard: The minimum standard for written examinations is 65% to 72%, depending on the number of questions on the test. Standards of performance are indicated in the objective and are also indicated on the individual progress check checklist. The checklist is used by the instructor to document each student's progress on each task. Instructor assistance is provided as needed during the progress check, and students may be required to repeat all or part of the behavior until satisfactory performance is attained. Students must satisfactorily complete all PCs prior to taking the written test.

6. Proficiency Level: Review column 4A of the STS to determine the proficiency level of a particular task or knowledge item. Review the course objective list to determine which STS item the objective supports. Review the proficiency code key in Part II, Section A of this CVETP for an explanation of the proficiency codes. Most task performance is taught to the "2b" proficiency level which means the students can do most parts of the task, but does need assistance on the hardest parts of the task (partially proficient). The student can also determine step-by-step procedures for doing the task. For tasks that are taught to the "3c" proficiency level, students can do all parts of the task and only require a spot check on completed work (competent). The student can also identify why and when a task must be done and why each step is needed.

7. Course Objectives: A detailed listing of initial skills or craftsman course objectives may be obtained by submitting a written request to the AETC Training Manager, 365 TRS/TRR, 609th Ave., Stop 22, Sheppard AFB TX 76311-2335.

SECTION C - SUPPORT MATERIAL:

8. The following list of support materials is not inclusive; however, it covers the most frequently referenced areas. For further information on the following courses, contact the OPR at:

333 TRS/TTCQS

601 D Street

Keesler AFB, MS 39534-2229

DSN 597-5893

782 TRG

826 Avenue G Suite 4

Sheppard AFB TX 76311-2867

DSN 736-2578

362 TRS/TRR

613 10th Street

Sheppard AFB TX 76311-2352

DSN 736-2996

Course Number	Course Title	OPR Location	OPR
* *J6ANU00066-038	Air Force Technical Order System General	Sheppard AFB	362 TRS
* *J6ANU00066-039	Air Force Technical Order System (Advanced)	Sheppard AFB	362 TRS

* *These courses are Computer Based Training (CBT), and may be requested as any other course. Courses are listed at web site <http://hq2af.keesler.af.mil/ETCA.htm> (formerly AFCAT 36-2223).

SECTION D - TRAINING COURSE INDEX

9. Purpose: This section of the CFETP identifies training courses available for the Instrument & Flight Control Systems specialty, and shows how the courses are used by each MAJCOM in their career field training programs. For further information on the following courses, contact the OPR at:

365 TRS/TRR

609 9th Avenue

Sheppard AFB TX 76311-2335

DSN 736-7891

10. Air Force In-Resident Courses:

Refer to web site <http://hq2af.keesler.af.mil/ETCA.htm> (formerly AFCAT 36-2223, USAF Formal Schools Catalog), for information on all courses listed in this index.

Course Number	Course Title	Location	User
J3ABR2A533B 002	Instrument & Flight Control Systems Apprentice	Sheppard AFB	AF, ANG, ARC
J3ACR2A573 001	Craftsman Avionics Course	Sheppard AFB	AF, ANG, ARC

11. Extension Course Institute (ECI) Courses:

365 TRS/TRR
 609 9th Avenue
 Sheppard AFB, TX 76311-2335
 DSN 736-7891

Course Number	Course Title	OPR Location	User
CDC 2A553B	Instrument & Flight Control Systems Journeyman	Sheppard AFB	AF, ANG, ARC
CDC 2AX7X	Aerospace Maintenance Craftsman	Sheppard AFB	AF, ANG, ARC

12. Exportable Courses:

For further information on the following exportable courses, contact the OPRs at:

367 TRSS
 6058 Aspen Avenue
 Hill AFB UT 84056-5805
 DSN 777-7830/0150

362 TRS
 613 10th Avenue
 Sheppard AFB, TX 76311-2352
 DSN 736-5206

The following Interactive Courseware (ICW) is available from, or under development by 367 TRSS at Hill AFB Utah. To obtain more information about each course, request a copy of the Courseware Catalog from the DSN 777-0150. To request ordering information on hardware, your MAJCOM training POC (for ACC, AMC, and ANG) is the first stop. For personnel under other Modicums, you contact them directly; they will provide you the information required for purchasing the item through them. If you decide to purchase the system, they will FAX you the AF Form 616 to use for an example. The 367 TRSS Internet site is:
<http://www.hill.af.mil/376TRSS/findex.htm>. The Hill AFB course catalog can be ordered from DSN 777-0150.

Course Number	Course Title	OPR	USER
B-1 Programs			
C6AGM01JIV0005	B-1B CITS Parameter Monitor Codes	367 TRSS	AF
C6AGM01JIV0006	B-1B CITS Maintenance Codes	367 TRSS	AF
Course Number	Course Title	OPR	USER
B-1 Programs			
C6AGM01CIV0016	B-1B Emergency Ground Egress	367 TRSS	AF
C6AGM01JIV0038	Hardness Critical Procedures (HCP) Checks	367 TRSS	AF
C6AGM01CIV0052	B-1B Hazard Zones	367 TRSS	AF
C6AGM01CIV1000	B-1B Towing Operation	367 TRSS	AF
C6AGM01JIV1134	B-1B Fasteners and Related Hardware	367 TRSS	AF
C6AGM01JIV5501	B-1B CITS Ground Readiness Test	367 TRSS	AF
C6AGM01JIV1100	B-1B Panel Types, Location, and	367 TRSS	AF

	Construction		
C6AGM01JIV4300	B-1B EMUX	367 TRSS	AF
C6AZM01CPB2400	B-1B Auxiliary Power Unit Operation	367 TRSS	AF
C6AWM01CPB5551	B-1B General Aircraft Information/Command Aircraft Systems Training (CAST)	367 TRSS	AF
C6AGM01CPB0099	B-1B Handbook	367 TRSS	AF
C6AZM01CPB8900	B-1B Crew Chief Reference Book	367 TRSS	AF
C6AWM01CPR8903	B-1B CITS/CDDS/EMUX Operation	367 TRSS	AF
C6AGM01CIV1615	B-1B Egress System Safety	367 TRSS	AF
C6AGM01JIV4600	B-1B Fuel/Control Gravity Mgt. (FCGMS)	367 TRSS	AF
C6AGM01CIV1001	B-1B Safe for Maintenance	367 TRSS	AF
B-52			
C6AZM52CPB0099	B-52H Handbook	367 TRSS	AF
C6AZM52CPB0330	Hourly Post Flight and Drag Chute Installation	367 TRSS	AF
C6AZM52CPB0419	B-52H Panel & Secondary Structure Inspection	367 TRSS	AF
C6AZM52CPB1000	B-52H Tow Supervisor	367 TRSS	AF
C6AZM52CPB1001	B-52H Servicing	367 TRSS	AF
C6AZM52CPB1002	B-52H LOX Servicing and Draining	367 TRSS	AF
C6AZM52CPB2300	B-52H Engine Run Supervisor	367 TRSS	AF
C6AZM52CPB46BO	B-52H Refuel Operation	367 TRSS	AF
C6AZM52CPB5271	B-52H Command Aircraft Systems Training (CAST)	367 TRSS	AF
C-130 Programs			
A6AKM30TVT0001	C-130 Ground Emergency Escape	367 TRSS	AF
A6AKM305V50100	C-130 Tow Training	367 TRSS	AF
General Programs			
Z6AGM00TCB0002	Multimeter Familiarization	367 TRSS	AF
C6AGM00TIV0002	Aerospace Ground Equipment	367 TRSS	AF
C6AGM00QIV1000	Aircraft Marshaling	367 TRSS	AF
C6ANU00TVT7506	Combat Sortie Generation	367 TRSS	AF
C6AGM00SIV8971	-86 Diesel Power Unit Operation	367 TRSS	AF
Z6AKM00QIV0009	Torque Wrench Familiarization	367 TRSS	AF
A6AGU00TIV0033	DS Familiarization	367 TRSS	AF
C6ANU00TIV1000	Oxygen Safe Handling	367 TRSS	AF
C6AK016TVT0001	Maintenance on Explosive Loaded Aircraft	367 TRSS	AF
C5AKM00TVT0000	FOD Prevention	367 TRSS	AF
C5AKM00TIV0001	Troubleshooting Techniques	367 TRSS	AF
A6ANU00TIV1001	Production Team Maintenance, Volume 1: General	367 TRSS	AF
A6ANU00TIV1002	Production Team Maintenance, Volume 2: Apply/Disconnect External Electrical Power	367 TRSS	AF
A6ANU00TIV1003	Production Team Maintenance, Volume 3:	367 TRSS	AF

	Aircraft Towing Member		
General Programs			
A6ANU00TIV1004	Production Team Maintenance, Volume 4: Aircraft Jacking Member	367 TRSS	AF
A6ANU00TIV1005	Production Team Maintenance, Volume 5: Open and Close Engine Cowling	367 TRSS	AF
A6ANU00TIV1006	Production Team Maintenance, Volume 6: Aircraft Interphone System	367 TRSS	AF
A6ANU00TIV1007	Production Team Maintenance, Volume 7: Aircraft Egress	367 TRSS	AF
A6ANU00TIV1008	Production Team Maintenance, Volume 8: Aircraft Familiarization	367 TRSS	AF
A6ANU00TIV1009	Production Team Maintenance, Volume 9: Remove and install (R&I) aircraft Maintenance Panels	367 TRSS	AF
A6ANU00TIV1010	Production Team Maintenance, Volume 10: Aircraft Refuel/Defuel Member	367 TRSS	AF
Z6ANU00TCBAQN0	Nitrogen Cart Operation	367 TRSS	AF
A6AKM00TVTAG05	Aircraft Deicing Using the TM-1800 Landoll Deicer	367 TRSS	AF
C5AKM00TVT0001	Safety and Radio Frequency Radiation	367 TRSS	AF
A5AKM00TVT0002	Automatic Communications Processor Operations	367 TRSS	AF
C6AKM00TVT0003	Flightline Fire Extinguisher Training Pt. 1&2	367 TRSS	AF
C5AKM00TVT0011	Cold Weather Safety	367 TRSS	AF
Z6AKM00TVT4700	Aircraft Liquid Oxygen Servicing	367 TRSS	AF
A6ANU00TIV0691	Aerospace Corrosion Prevention & Control	367 TRSS	AF
C6ANU00TVT0001	Aircraft Wash Procedures	367 TRSS	AF
A6ANU00TIV2800	Aircraft Schematic Diagram Familiarization	367 TRSS	AF
KC-135 Programs			
C6AN035TIV1100	135 Emergency Ground Egress Training	367 TRSS	AF
TO System Programs			
J6AQU2E066 038	Air Force Technical Order (technical orders) System (Gen)	362 TRS	AF
6CAMS Programs			
J6ANU00066 043	CAMS for Flightline and Backshop Note: This course should activate Aug 00. It will replace existing CAMS courses listed below:	362 TRS	AF
J6AZU2E066 058	Air Force Maintenance Data Collection System	362 TRS	AF
J6AZU2E066 059	Air Force Maintenance Data Collection System	362 TRS	AF
J6AZU2E066 061	Air Force Maintenance Data Collection System Operators Course (Intro)	362 TRS	AF

Course Number	Course Title	OPR	USER
6CAMS Programs			
J6AZU2E066 062	Air Force Maintenance Data Collection System Mid Level Maintenance Managers	362 TRS	AF

13. Training Detachment (TD) Courses:

For further information on the TD courses, contact the OPRs at:

372 TRS
912 I Ave, Suite 3
Sheppard AFB TX 76311-2361
DSN 736-4801

373 TRS
912 I Ave., Suite 3
Sheppard AFB TX 76311-2361
DSN 736-4750

Course Number	Course Title	OPR	USER
General Programs			
J4AMF/ASF/AST 2A1X2-007 (9GC)	MC-1/MC-1M Magnetic Compass Calibrator	373 TRS	AF
J4AMF/ASF/AST 2A1X2-037 (8XY)	Fuel Savings Advisory System Technician (Intermediate Maintenance)	373 TRS	AF
J4AMF/ASF/AST 2A1X2-038 (8XZ)	Fuel Savings Advisory System (FSAS) Test Equipment Maintenance	373 TRS	AF
J4AMF/ASF/AST 2A1X2-056 (DFO)	C-12 Compass System Craftsman (I-level)	373 TRS	AF
B-1B Program			
J4AMF/ASF/AST 2A5X3B-004 (9HM)	B-1B Avionics Systems (Instrument & Flight Control/Computer/Flight Control/Autopilot)	372 TRS	AF
J4AMF/ASF/AST 2A5X3B-009 (I2M)	B-1B Avionics Systems (Instrument & Flight Control Computer Navigation)	372 TRS	AF
J4AMF/ASF/AST 2A5X3B-010 (I2N)	B-1B Avionics Systems (Instrument & Flight Control/Sys-Gen)	372 TRS	AF
B-2 Programs			
J4MF/ASF/AST 2A5X3B-007 (W27)	B-2 Avionics Systems Craftsman (Instrument & Flight Con Computer)	373 TRS	AF
B-2 Programs			
J4AMF/ASF/AST 2A5X3B-008	B-2 Avionics Systems (Flight Control System Trainer)(Certification Training)	373 TRS	AF
J4AMF/ASF/AST 2A5X3-000 (2IQ)	B-2 Avionics Systems Craftsman (Common Core) Certification Training	373 TRS	AF
B-52H Program			
J4AMF/ASF/AST 2A5X3B-047 (NTN)	B-52H Aircraft Guidance and Control Systems Maintenance	372 TRS	AF, ARC

Course Number	Course Title	OPR	USER
C-5 Programs			
J4AMF/ASF/AST 2A1X2-045 (LY5)	C-5 MADARS II (I/M)	373 TRS	AF
J4AMF/ASF/AST 2A4X1-019 (UHZ)	C-5 Automatic flight Control System	373 TRS	AF
J4AMF/ASF/AST 2A4X1-020 (9XW)	C-5 Guidance and Control Technician (Engine Fuel Caster Instruments)	373 TRS	AF
J4AMF/ASF/AST 2A4X1-022 (V97)	C-5 Guidance and Control	373 TRS	AF
J4AMF/ASF/AST 2A4X1-032 (MM6)	C-5 MADARS II Course	373 TRS	AF
J4AMF/ASF/AST 2A4X1-033 (V6K)	C-5 Guidance & Control Instrument & FSAS (Ins/FSAS)	373 TRS	AF
J4AMF/ASF/AST 2A4X1-034	C-5 MADARS II Operators	373 TRS	AF
C-17 Programs			
J4ASF 2A4X1-074 (108)	C-17A Guidance and Control	373 TRS	AF
J4ASF2A4XX-003 (I9P)	C-17 Global Air Traffic Management (GATM) System`	373 TRS	AF
C-130 Programs			
J4AMF/ASF/AST 2A1X2-048 (W8J)	C-130 Integrated Flight Control (FCS-105)	373 TRS	AF
J4AMF/ASF/AST 2A1X2-053 (804)	MC-130E Computer Aided Navigation System	373 TRS	AF
J4AMF/ASF/AST 2A4X1-010 (8D6)	C-130E/H Instrument Systems Repair	373 TRS	AF
J4AMF/ASF/AST 2A4X1-011 (S93)	C-130 Autopilot (E-4) System	373 TRS	AF
J4AMF/ASF/AST 2A4X1-037 (6NT)	C-130/C-135 N-1 Compass System (O Maintenance)	373 TRS	AF
J4AMF/ASF/AST 2A4X1-067 (XAM)	AC-130 SOFI Avionics Guidance and Control Systems	373 TRS	AF
J4AMF/ASF/AST 2A4X1-077 (10T)	MC-130N/P (SOFI) Guidance and Control	373 TRS	AF
Course Number	Course Title	OPR	USER
C-130 Programs			
J4AMF/ASF/AST 2A4X1-081 (5Z7)	MC-130E (SOFI) Guidance and Control Systems	373 TRS`	AF
J4AMF/ASF/AST 2A4X1-090 (993)	C-130 AN/AYW-1(V)1 Automatic Flight Control System and AN/ASN-167(V) Ground	373 TRS	AF
J4AMF/ASF/AST 2A4X1-092 (AI3)	AC-130 Guidance and Control (O- Maintenance)	373 TRS	AF

J4AMF/ASF/AST 2A4X1-107 (COL)	C-130J Guidance and Control Systems (O Maintenance)	373 TRS	AF
C-141 Programs			
J4AMF/ASF/AST 2A4X1-080 (518)	C-141 Instrument Systems	373 TRS	AF
J4AMF/ASF/AST 2A4X1-083 (6TI)	C-141 All Weather Flight Control Global Positioning and Enhanced Navigation	373 TRS	AF
J4AMF/ASF/AST 2A4X1-098 (AOB)	C-141 Automatic Flight Control System	373 TRS	AF
J4AMF/ASF/AST 2A4X1-105 (FUO)	C-141 Fuel Savings Advisory System/INS	373 TRS	AF
E-3B/C Programs			
J4AMF/ASF/AST 2A4X1-061 (XAT)	E-3 Advance Guidance and Control System	373 TRS	AF
J4AMF/ASF/AST 2A4X1-109 (BOK)	E-3 Basic Guidance and Control System	373 TRS	AF
E-4B Programs			
J4AMF/ASF/AST 2A4X1-086 (807)	E-4B Avionics Instrument System	373 TRS	AF
E-8C Programs			
J4AMF/ASF/AST 2A4X1-069 (1JO)	E-8C Guidance and Control (Autoflight)	373 TRS	AF
J4AMF/ASF/AST 2A4X1-070 (1KO)	E-8C Guidance and Control (Instruments)	373 TRS	AF
J4AMF/ASF/AST 2A4X1-088 (871)	E-8C Guidance and Control (Navigation	373 TRS	AF
EC/RC-135			
J4AMF/ASF/AST 2A1X2-034 (QC3)	EC/KCRC-135 Guidance and Control Craftsman (AN/ASQ-141V)(IM)	373 TRS	AF
J4AMF/ASF/AST 2A4X1-063 (XK7)	EC-135 Avionics Guidance and Control Technician (Ins/DNS & FSA/CAS) OM	373 TRS	AF
J4AMF/ASF/AST 2A4X1-064 (XK8)	EC/RC-135 Guidance and Control Craftsman	373 TRS	AF
J4AMF/ASF/AST 2A4X1-003 (EM1)	RC-135 Integrated Fuel Quantity/Center of Gravity/Fuel Savings Advisory System	373 TRS	AF

Course Number	Course Title	OPR	USER
EC/RC-135			
J4AMF/ASF/AST 2A4X1-004 (V53)	RC-135 AN/ASN-121 GSIDS Maintenance &	373 TRS	AF
KC-10 Programs			
J4AMF/ASF/AST 2A4X1-096 (FUI)	KC-10 Guidance and Control Transition Course (Phase III)	373 TRS	AF
J4AMF/ASF/AST 2A4X1-104 (KDI)	KC-10 Guidance and Control Advanced INS/FMS Course (Phase V)	373 TRS	AF
KC-135Programs			
J4AMF/ASF/AST 2A4X1-001 (CQ0)	KC-135 Avionics Guidance and Control Technician (AN/ASQ-141V)	373 TRS	AF
J4AMF/ASF/AST 2A4X1-085 (7IC)	C/KC-135 PACER CRAG	373 TRS	AF
J4AMF/ASF/AST 2A4X1-093 (91I)	KC-135R/T Guidance and Control System Craftsman (Transition)	373 TRS	AF
J4AMF/ASF/AST 2A4X1-097 (HIG)	KC-135 R/T Guidance and Control System (Troubleshooting)	373 TRS	AF
J4AMF/ASF/AST 2A4X1-099 (FQI)	KC-135 PACER CRAG Block 30	373 TRS	AF
J4AMF/ASF/AST 2A4X1-100 (EXI)	KC-135 Guidance and Control PACER CRAG Block 30 Differences	373 TRS	AF
J4AMF/ASF/AST 2A4X1-101 (F8I)	KC-135 RVSM/EGPWS	373 TRS	AF
J4AMF/ASF/AST 2A4X1-106 (AFO)	()C-135 Digital Automatic Flight Control	373 TRS	AF
KC-10A Programs			
J4AMF/ASF/AST 2A4X1-007 (3KE)	KC-10A Avionics Guidance and Control Systems Craftsman	373 TRS	AF
J4AMF/ASF/AST 2A4X1-008 (3N4)	KC-10A Avionics Guidance and Control Systems Craftsman	373 TRS	AF
J4AMF/ASF/AST 2A4X1-009 (3KH)	KC-10A Avionics Guidance and Control Systems (Litton Ltn)	373 TRS	AF
J4AMF/ASF/AST 2A4X1-102 (KCI)	KC-10 Guidance and Control Advanced Instrument Course (Phase V)	373 TRS	AF
J4AMF/ASF/AST 2A4X1-103 (KCO)	KC-10 Guidance and Control Advanced Autoflight Control System Course (Phase V)	373 TRS	AF
H-60 Program			
J4AMF/ASF/AST 2A4X1-012 (MSP)	H-60 Guidance and Control System	373 TRS	AF
MH-53J Programs			
J4AMF/ASF/AST 2A4X1-013 (LD9)	MH-53J Enhanced Navigation System (ENS) (Organizational Maintenance)	373 TRS	AF

Course Number	Course Title	OPR	USER
MH-53J Programs			
J4AMF/ASF/AST 2A4X1-094 (D1E)	MH-53J Helicopter Instrument Systems/ Automatic Flight Control System	373 TRS	AF
J4AMF/ASF/AST 2A4X1-095 (FJA)	MH-53M Interactive Defensive Avionics	373 TRS	AF

14. Courses Under Development/Revision:

367 TRSS
 6058 Aspen Avenue
 Hill AFB UT 84056-5805
 DSN 777-7830/0150

372 TRS
 912 I Avenue, Suite 3
 Sheppard AFB TX 76311-2361
 DSN 736-4801

Course Number	Course Title	OPR	USER
15AWS00TPB1000	Airframe and Powerplant Qualification Training Package (QTP)	367 TRSS	AF
J4AMF/ASF/AST 2A5X3B-009 (I2M)	B-1B Avionics Systems (Instrument & Flight Control/Computer/Navigation)	372 TRS	AF
J4AMF/ASF/AST 2A533B-010 (I2N)	B-1B Avionics Systems (Instrument & Flight Control Computer/Instrument System-Gen)	372 TRS	AF

SECTION E - MAJCOM UNIQUE REQUIREMENTS

15. Currently only Air Combat Command (ACC) has a MAJCOM mandatory course list (MMCL). MAJCOMs change mandatory course requirements occasionally. Up-to-date ACC requirements can be obtained at <https://lg.acc.af.mil/lgq/lqqt/NEWLGQTHOME.htm>. After access, click on 'CAF MCL' and review provided information. Refer to the HQ ACC MMCL for additional information. The below requirements are current as of 19 March 2001.

Course Number	Course Title	OPR	USER
B-1B Programs			
2A5X3B-004	Instrument & Flight Control Comp/Flight Control/Autopilot	ACC	AF
Course Number	Course Title	OPR	USER
B-1B Programs			
2A5X3B-009	Instrument & Flight Control Comp/Nav	ACC	AF
2A5X3B-010	Instrument & Flight Control Comp Inst Sys- Gen	ACC	AF
Course Number	Course Title	OPR	USER
2A5X3B-007	B-2 Avionics Sys Craftsman (Instrument. Flit. Control. Computer)	ACC	AF
B-52H Programs			

2A5X3B-047	B-52H Aircraft GAC/Control Sys Maintenance	ACC	AF, ARC
C-130 Programs			
2A4X1-010	C-130 E/H Instrument System Technician	ACC	AF
2A4X1-011	C-130 E-4 AGCS Craftsman	ACC	AF
2A4X1-090	AN/AYW-1(V) 1 AFCS and AN/ASN-167(V) GCAS	ACC	AF
E-3B/C Programs			
2A4X1-109	Guidance and Control Technician (Basic)	ACC	AF
E-8C Programs			
2A4X1-069	Guidance and Control Autoflight	ACC	AF
2A4X1-070	Guidance and Control Autoflight	ACC	AF
2A4X1-088	Guidance and Control Navigation	ACC	AF
O/R/T/WC-135			
2A4X1-108	RC-135/F108 Guidance and Control Differences	ACC	AF
KC-135 Programs			
2A4X1-001	Guide and Control Craftsman (AN/ASQ-141V)	ACC	AF
2A4X1-111	EC/KC-135 Guide & Control Craftsman (INS/DSN)	ACC	AF
2A4X1-110	(O)C-135 Digital Automatic Flight Control Sys	ACC	AF
2A4X1-037	Guide and Control Tech N1 COM	ACC	AF
H-60 Programs			
2A4X1-012	H-60 Guidance and Control System Craftsman	ACC	AF

16. Additional courses available from ACC.

Contact the course OPRs at:

HQ ACC PMS/OL-CA
 6058 Aspen
 Hill AFB UT 84056-5895
 DSN 777-4278